



Safety

Color

Codes

Occup ational

Optom etry

Color Coding

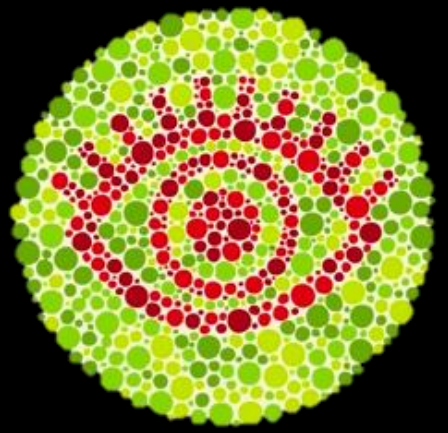
- effort to improve visual performance
- increases employee safety

i.e. Transportation (railway, aviation)

- pre-requisite to many occupations (during task analysis process)

Color Vision Tests

- Ishihara (pseudoisochromatic plates)
- CAM Lantern Test (maritime aviation or land transport)
- Farnsworth D-15 test



Careers requiring normal color vision

Governmental – Army, Navy, Air Force, Police
Civil – Aviation, Railway
Industrial – Paint, Textiles, Electronics, Scientific
Retail – Art, Interior Design

Standard Color Code System to Identify Related Hazards:

Red - for fire apparatus and equipment, safety containers for flammable, and emergency devices like switches for emergency stopping of machinery, stop bars and bultons.

Orange - for potentially dangerous parts of machinery or equipment that may cut, crush, shock or otherwise injure a person.

Yellow - the color of caution; for physical dan slipping, tripping, falling, caught-between an against hazards.

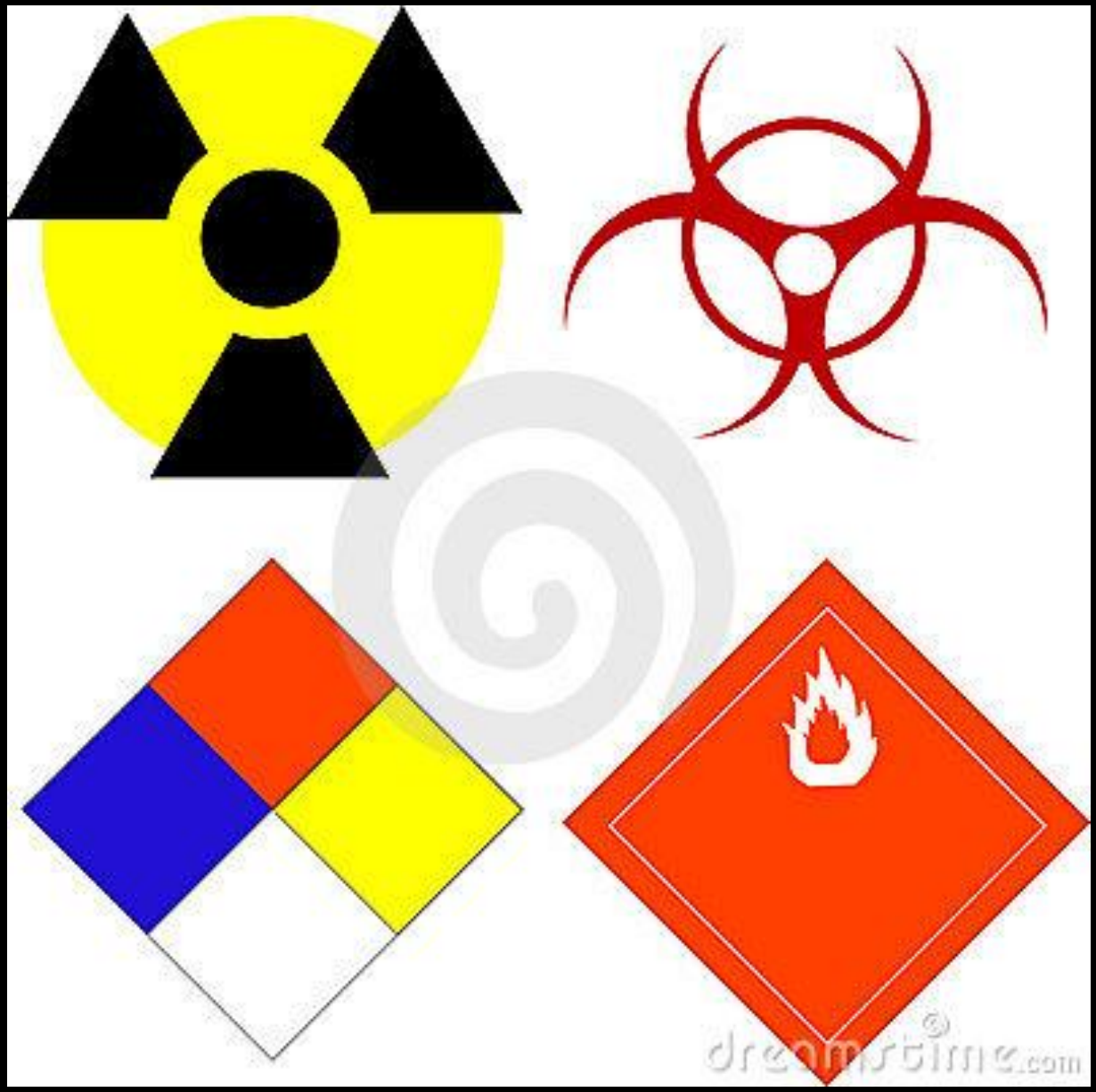
Green - the color of safety; for first-aid equipment locations.

Blue - a caution color; for warning against the use or movement of equipment being repaired or worked on, or the starting of equipment.

Purple - the basic color for warning of radiation hazards.

Black, white or a combination - for designating and helping to control traffic movement, and for aisle markings, housekeeping areas and similar areas.

ISO 3864 safety sign formats (clockwise from top left): warning sign, prohibition sign, mandatory action sign, and safety information sign.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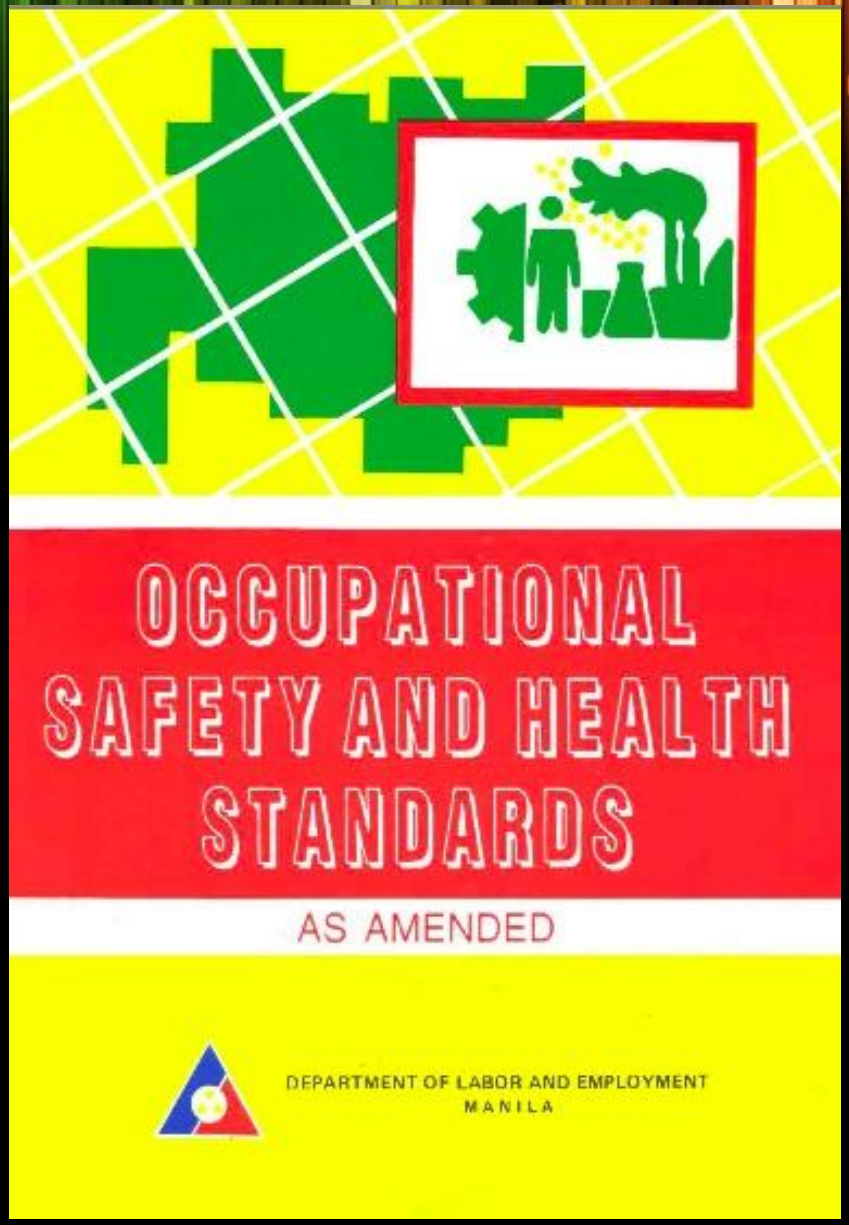

"Standard colors of signs for safety instruction and warnings in building premises"

"by the use of a distinctive color system"

Association of Optometrists

- Use of a ChromaGen™ can enhance color vision performance

ChromaGen™

- daily wear soft contact lens which may influence color discimination. (Only one lens is usually worn by the patient, the filter being in the center of the contact lens.)

ChromaGen™ is a unique product that was developed to help patients who suffer from either colour deficiency or academic skills disorder (ASD™) including Dyslexia.

References:

Book:
Environmental & Occupational Optometry by Gordon H. Carson

Websites:
http://cloud.eacomm.com/oshc2010/UserFiles/oshc2010/file/occupational_safety_and_health_standards.pdf
http://www.ehow.com/about_6398021_osha-safety-color-codes.html
http://www.saftek.com/train/COLOR_CO.html


CAUTION
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www.says-it.com/safety