Perspective is nothing else than the seeing of an object through a sheet of glass, on the surface of which may be marked all the things that are behind the glass.

-- Leonardo

In the Renaissance Filippo Brunelleschi Discovered Perspective

Italian Art in the Late Middle Ages Before the Discovery of Perspective

di Bartolo, “The Nativity of the Virgin” (c. 1400)
di Giovanni Fei, “The Presentation of the Virgin” (c. 1400)
The *First* Perspective Image

Masaccio’s fresco “Trinity” (c. 1427)

Perspective in Art

Giotto, 1300 (before perspective)  
Campin, 1430 (after perspective)
Devices for Drawing Perspective

FOR HOLIDAY SKETCHING

Price 9/-

Pencils, sketchpads, and sketching materials are available.

Camera Obscura

This device is useful for holiday sketching. It allows you to create perfect perspective drawings while on a journey.

Ralston & Co., 27 St.
Camera Lucida

Perspectograph
Perspective in Art

Jan Vermeer, “The Music Lesson” (c. 1664)

Pinhole Camera

image plane  optical center

scene
Pinhole Camera

Alberti’s Grid
Suggesting a Moving Camera

A *multiperspective image* incorporates many perspectives into a single, locally-coherent image

A *moving window* slides across the panorama, selecting frames for creating an animation

from Disney’s film *Pinocchio*, 1940

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Multiperspective Image
Extracted frames

Multiperspective Image
van Eyck’s “Ghent Alterpiece” (1432)

Hockney’s “Pearblossum Highway” (1986)
Fisheye Lens Image

Not a single optical center
Omnidirectional Image