## Answer on Question #53097, Physics / Optics

Why our image appear thin or bulged out in some mirrors?

## Answer:

The type of image that is formed in a mirror is dependent on the reflecting surface the mirror has. If the mirror has the plane reflecting surface the image formed will be the same size as that of the object.

Concave or converging mirrors curve inward like a spoon (the side that holds soup). This gives these mirrors the ability to create an image when their curvature bounces light to a specific area in front of them.

Looking at yourself in a concave mirror (bulging inward), the image is vertically expanded like a bathroom-magnifying mirror but in one dimension only. Your image looks thin.

Looking at yourself in a convex mirror (bulging outward), the image is compressed vertically like rear view mirror but in one dimension only. Your image looks fat.

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