

Converting Colors

XYZ(55.7850, 40.4814, 79.5187)

Have a look what the booklet for
XYZ(55.7850, 40.4814, 79.5187)
contains.

XYZ(55.8617, 40.4275, 79.7220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.8617, 40.4275,
79.7220)**

Conversions

Conversions Part 1

Format	Color
Hex	E689E6
RGB	230, 137, 230
RGB Percent	90%, 54%, 90%
CMY	0.0980, 0.4627, 0.0980
CMYK	0.00, 0.40, 0.00, 0.10
HSL	300°, 65%, 72%
HSV	300°, 40%, 90%
XYZ	55.8617, 40.4275, 79.7220
YIQ	175.4090, 25.5750, 48.6390

Conversions

Conversions Part 2

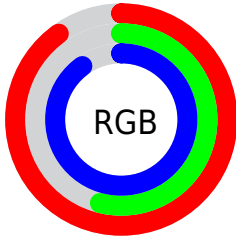
Format	Color
R _Y B	230, 137, 230
Decimal	15108582
CIE Lab	69.77, 49.11, -32.38
CIE LCh	70, 58.822, 326.604
Yxy	40.4275, 0.3174, 0.2297
Android (android.graphics.Color)	4293298662 (0xFFE689E6)
YUV	175.4090, 26.9134, 47.8763
Hunter-Lab	63.5826, 45.5549, -29.8319

Details

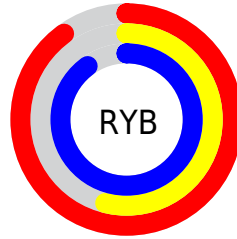
The XYZ color **55.8617, 40.4275, 79.7220** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **43.1304, 63.7195, 33.6950**, and the grayscale version is **40.8162, 42.9418, 46.7637**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **28.0439, 18.2809, 42.0949** is the 20% darker color. If you saturate the color by 10%, you get **52.9345, 34.5722, 78.7466**, and if you desaturate by 10%, it is **59.4884, 47.6800, 80.9314**.

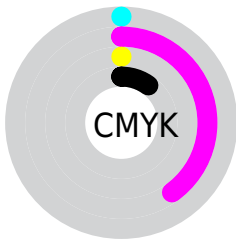
Distribution



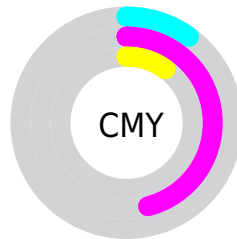
- Red (90%)
- Green (54%)
- Blue (90%)



- Red (90%)
- Yellow (54%)
- Blue (90%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (46%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8617, 40.4275, 79.7220 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 55.8617, 40.4275, 79.7220 by changing the saturation by 10% instead.


 55.8617, 40.4275,
79.7220


 55.8617, 40.4275,
79.7220


399.2536,
347.9221, 513.6775


 40.3286, 27.8720,
58.9648


 97.9433, 75.8141,
134.7827

 27.9802, 18.2292,
42.1650


 125.2226, 99.4139,
169.9232

 18.4511, 11.1147,
28.9039


 157.1479,
127.4640, 210.6953

 11.3760, 6.1440,
18.7632

194.0847,
160.3488, 257.5174

 6.3895, 2.9328,
11.3242

236.3983,
198.4526, 310.8082

 3.1262, 1.0968,
6.1685

284.4541,

 1.2209, 0.0000,

242.1598, 370.9861

2.8773

338.6174,
291.8549, 438.4697

■ 0.1227, 0.0000,
1.0323

■ 0.0000, 0.0000,
0.0000

■ 55.8617, 40.4275,
79.7220

■ 55.8617, 40.4275,
79.7220

■ 52.9345, 34.5722,
78.7466

■ 59.4884, 47.6800,
80.9314

■ 50.6581, 30.0195,
77.9877

■ 63.8513, 56.4058,
82.3858

■ 48.9840, 26.6713,
77.4295

■ 68.9894, 66.6819,
84.0986

■ 47.8551, 24.4136,
77.0532

■ 74.9377, 78.5784,
86.0814

47.2035, 23.1104,
76.8359

81.7290, 92.1611,
88.3453

46.9165, 22.5364,
76.7401

82.6767, 94.0565,
88.6613

82.6768, 94.0565,
88.6614

82.6768, 94.0565,
88.6615

82.6768, 94.0565,
88.6616

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.2377, 40.4275, 109.6668



55.8617, 40.4275, 79.7220



59.7955, 40.4275, 47.2038

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.8617, 40.4275, 79.7220



39.5218, 40.4275, 9.6484



24.2485, 40.4275, 71.9802

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55.8617, 40.4275, 79.7220



43.1304, 63.7195, 33.6950

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.8705, 40.4275, 40.9801



55.8617, 40.4275, 79.7220



30.7830, 40.4275, 11.7764

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8617, 40.4275, 79.7220



49.4301, 40.4275, 13.1160



25.0566, 40.4275, 20.9749



29.1883, 40.4275, 104.0478

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8617, 40.4275, 79.7220



58.8171, 40.4275, 30.6502



25.0566, 40.4275, 20.9749



23.3928, 40.4275, 60.7993

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55.8630, 40.4293, 79.7229



86.0533, 82.0066, 105.9009



33.5470, 28.9249, 78.6789



18.2287, 17.1724, 22.6038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8630, 40.4293, 79.7229



67.2792, 44.4585, 99.6424



50.1797, 38.1560, 49.7950



14.9952, 14.6153, 18.1750



26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.8630, 40.4293, 79.7229



67.2792, 44.4585, 99.6424



47.2144, 65.3531, 55.2009



14.9952, 14.6153, 18.1750



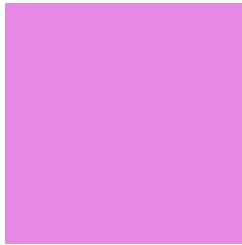
26.5611, 12.7587, 43.4453



1.9628, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 55.8617, 40.4275, 79.7220 looks on a white background.

Color Contrast Check

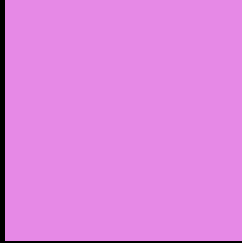
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 55.8617, 40.4275, 79.7220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

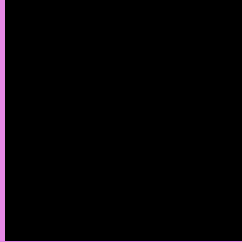
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8617, 40.4275, 79.7220

Background



This preview shows how black text looks on a background with the XYZ color 55.8617, 40.4275, 79.7220.

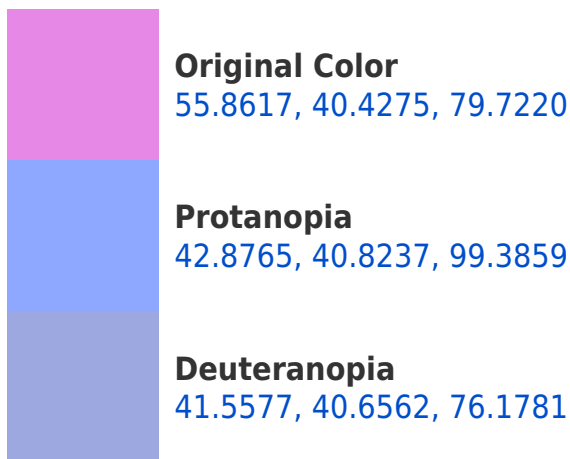


This preview shows how white text looks on a background with the XYZ color 55.8617, 40.4275,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

47.4963, 40.1497, 39.8967

Trichromacy



Original Color

55.8617, 40.4275, 79.7220



Protanomaly

45.7720, 39.5908, 91.6155



Deuteranomaly

45.5516, 39.7953, 77.2319



Tritanomaly

49.9890, 39.9929, 52.0984

Monochromacy



Original Color

55.8617, 40.4275, 79.7220



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

45.1009, 41.0320, 57.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8617, 40.4275, 79.7220 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 137, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 137, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 137, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 137, 230) }
```

Border

The CSS property to change the border of an element to XYZ 55.8617, 40.4275, 79.7220 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 137, 230) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 137, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 137, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 137, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 137, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 137,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8617, 40.4275, 79.7220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 137, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
137, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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