

Converting Colors

XYZ(55.6945, 38.6825, 80.8750)

Have a look what the booklet for
XYZ(55.6945, 38.6825, 80.8750)
contains.

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Color

**XYZ(55.6945, 38.6825,
80.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	E881E8
RGB	232, 129, 232
RGB Percent	91%, 51%, 91%
CMY	0.0902, 0.4941, 0.0902
CMYK	0.00, 0.44, 0.00, 0.09
HSL	300°, 69%, 71%
HSV	300°, 44%, 91%
XYZ	55.6945, 38.6825, 80.8750
YIQ	171.5390, 28.3250, 53.8690

Conversions

Conversions Part 2

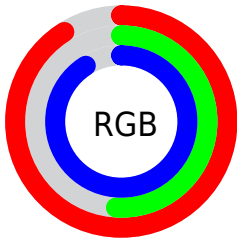
Format	Color
R _Y B	232, 129, 232
Decimal	15237608
CIE _{Lab}	68.52, 54.09, -35.40
CIE _{LCh}	69, 64.645, 326.796
Y _{xy}	38.6825, 0.3178, 0.2207
Android (android.graphics.Color)	4293427688 (0xFFE881E8)
Y _{UV}	171.5390, 29.8073, 53.0243
Hunter-Lab	62.1953, 51.0012, -33.5605

Details

The XYZ color **55.6945, 38.6825, 80.8750** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.8740, 63.9669, 30.9109**, and the grayscale version is **38.8256, 40.8476, 44.4830**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **27.8081, 17.1654, 42.9219** is the 20% darker color. If you saturate the color by 10%, you get **52.9788, 33.2503, 79.9700**, and if you desaturate by 10%, it is **59.1065, 45.5056, 82.0129**.

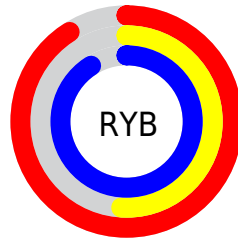
Distribution



Red (91%)

Green (51%)

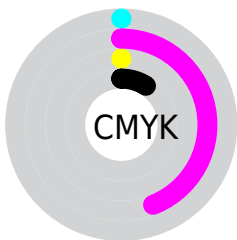
Blue (91%)



Red (91%)

Yellow (51%)

Blue (91%)

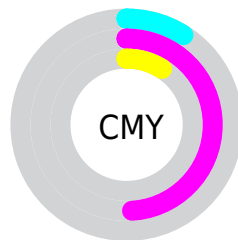


Cyan (0%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (9%)


Magenta (49%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6945, 38.6825, 80.8750 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 55.6945, 38.6825, 80.8750 by changing the saturation by 10% instead.


 55.6945, 38.6825,
80.8750


 55.6945, 38.6825,
80.8750


398.6329,
340.5387, 517.6611


 40.1941, 26.5128,
59.9083

 97.7002, 73.1530,
136.4177

 27.8748, 17.2077,
42.9199


 124.9361, 96.2227,
171.8308

 18.3713, 10.3827,
29.4913


 156.8146,
123.6944, 212.8964

 11.3182, 5.6534,
19.2040

193.7010,
155.9527, 260.0330

 6.3501, 2.6355,
11.6395

235.9607,
193.3819, 313.6593

 3.1018, 0.9445,
6.3792

283.9590,

 1.2078, 0.0000,

236.3663, 374.1937

3.0045

338.0613,
285.2905, 442.0548

■ 0.1125, 0.0000,
1.0969

■ 0.0000, 0.0000,
0.0000

■ 55.6945, 38.6825,
80.8750

■ 55.6945, 38.6825,
80.8750

■ 52.9788, 33.2503,
79.9700

■ 59.1065, 45.5056,
82.0129

■ 50.9079, 29.1085,
79.2795


■ 63.2540, 53.8004,
83.3955


■ 49.4296, 26.1520,
78.7866


■ 68.1778, 63.6480,
85.0369


■ 48.4818, 24.2565,
78.4705


■ 73.9147, 75.1219,
86.9494


 47.9887, 23.2702,
78.3060


 80.4993, 88.2909,
89.1444

 47.8447, 22.9823,
78.2579

 83.6051, 94.5024,
90.1798

 83.6051, 94.5024,
90.1800

 83.6051, 94.5024,
90.1801

 83.6051, 94.5024,
90.1803

Harmonies

Analogous

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



46.3144, 38.6825, 114.5787



55.6945, 38.6825, 80.8750



59.9743, 38.6825, 45.3300

Triad

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



55.6945, 38.6825, 80.8750



37.8714, 38.6825, 7.2819



21.9173, 38.6825, 72.7779

Complementary

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



55.6945, 38.6825, 80.8750



41.8740, 63.9669, 30.9109

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.



20.4829, 38.6825, 39.0627



55.6945, 38.6825, 80.8750



28.6303, 38.6825, 9.2821

Square

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



55.6945, 38.6825, 80.8750



48.5598, 38.6825, 10.4728



22.7014, 38.6825, 18.2761



27.0563, 38.6825, 108.5811

Rectangle

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



55.6945, 38.6825, 80.8750



58.8666, 38.6825, 27.9092



22.7014, 38.6825, 18.2761



21.0323, 38.6825, 60.4805

Sweetspot

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



55.6958, 38.6842, 80.8758



85.3714, 80.6429, 105.6736



31.4707, 26.1957, 79.7428



17.9586, 16.6321, 22.5137



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.



55.6958, 38.6842, 80.8758



65.9882, 41.8768, 99.2117



49.4198, 36.1738, 47.8270



14.9952, 14.6153, 18.1750



26.5611, 12.7586, 43.4450



1.9628, 0.9428, 3.2104

Inverse Universe

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



55.6958, 38.6842, 80.8758



65.9882, 41.8768, 99.2117



46.2008, 65.6976, 53.6953



14.9952, 14.6153, 18.1750



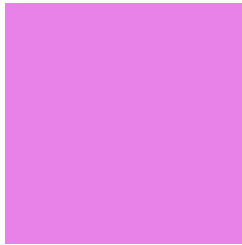
26.5611, 12.7586, 43.4450



1.9628, 0.9428, 3.2104

Previews

White Background



This preview shows how the XYZ color 55.6945, 38.6825, 80.8750 looks on a white background.

Color Contrast Check

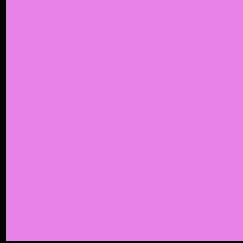
Large Text (above 18pt) WCAG AA × Fail

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 55.6945, 38.6825, 80.8750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

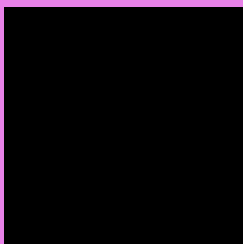
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.6945, 38.6825, 80.8750

Background



This preview shows how black text looks on a background with the XYZ color 55.6945, 38.6825, 80.8750.



This preview shows how white text looks on a background with the XYZ color 55.6945, 38.6825,

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



Original Color

55.6945, 38.6825, 80.8750

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

39.8082, 38.9258, 76.6495



Tritanopia

46.7961, 38.6801, 36.8979

Trichromacy



Original Color

55.6945, 38.6825, 80.8750



Protanomaly

44.5943, 37.7179, 92.9256



Deuteranomaly

44.0542, 37.7612, 78.3655



Tritanomaly

49.3938, 38.3856, 50.1532

Monochromacy



Original Color

55.6945, 38.6825, 80.8750



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

43.8742, 39.1413, 56.2815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6945, 38.6825, 80.8750 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(232, 129, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 129, 232)  
}
```

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(232, 129, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 129, 232) }
```

Border

The CSS property to change the border of an element to XYZ 55.6945, 38.6825, 80.8750 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(232, 129, 232) }
```


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

```
.border{ border-color:rgb(232, 129, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 129, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 129, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 129, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 129,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6945, 38.6825, 80.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 129, 232) }
```

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

```
.background{ background-color: rgb(232,  
129, 232) }
```

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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