

Converting Colors

XYZ(50.5177, 38.4422, 51.8904)

Have a look what the booklet for
XYZ(50.5177, 38.4422, 51.8904)
contains.

XYZ(50.6912, 38.5878, 51.7902)	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(50.6912, 38.5878,
51.7902)**

Conversions

Conversions Part 1

Format	Color
Hex	E68ABB
RGB	230, 138, 187
RGB Percent	90%, 54%, 73%
CMY	0.0980, 0.4588, 0.2667
CMYK	0.00, 0.40, 0.19, 0.10
HSL	328°, 65%, 72%
HSV	328°, 40%, 90%
XYZ	50.6912, 38.5878, 51.7902
YIQ	171.0940, 39.1030, 34.7430

Conversions

Conversions Part 2

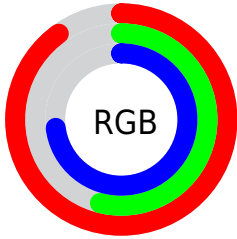
Format	Color
R _Y B	230, 138, 187
Decimal	15108795
CIE Lab	68.45, 41.46, -10.51
CIE LCh	68, 42.775, 345.771
Yxy	38.5878, 0.3593, 0.2735
Android (android.graphics.Color)	4293298875 (0xFFE68ABB)
YUV	171.0940, 7.8417, 51.6606
Hunter-Lab	62.1191, 36.9534, -5.9482

Details

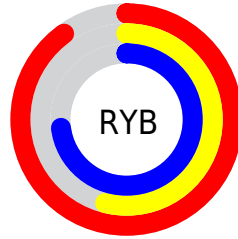
The XYZ color **50.6912, 38.5878, 51.7902** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **47.1202, 65.3341, 53.8463**, and the grayscale version is **38.7050, 40.7207, 44.3448**.

A 20% lighter version of the original color is **76.4876, 65.8710, 93.4771**, and **24.8644, 17.2610, 24.5755** is the 20% darker color. If you saturate the color by 10%, you get **46.6259, 32.2304, 44.9679**, and if you desaturate by 10%, it is **55.5436, 46.3806, 59.3008**.

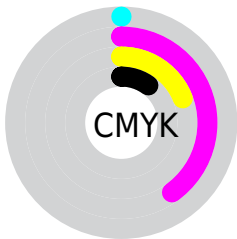
Distribution



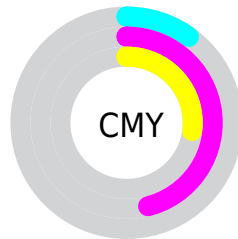
- Red (90%)
- Green (54%)
- Blue (73%)



- Red (90%)
- Yellow (54%)
- Blue (73%)



- Cyan (0%)
- Magenta (40%)
- Yellow (19%)
- Black (10%)





- Cyan (10%)
- Magenta (46%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6912, 38.5878, 51.7902 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 50.6912, 38.5878, 51.7902 by changing the saturation by 10% instead.

 50.6912, 38.5878,
51.7902

 50.6912, 38.5878,
51.7902


379.7703,
340.1348, 410.5600


 36.1830, 26.4392,
36.4568

 90.3839, 73.0082,
94.2452

 24.7463, 17.1525,
24.4947


 116.2990, 96.0488,
122.2038

 16.0159, 10.3433,
15.4854

 146.7471,
123.4888, 155.2080

 9.6263, 5.6272,
9.0104

182.0936,
155.7127, 193.6762

 5.2122, 2.6197,
4.6510

222.7038,
193.1049, 238.0269

 2.4084, 0.9366,
1.9889

268.9431,

 0.8493, 0.0000,

236.0497, 288.6788

0.5484

321.1768,
284.9315, 346.0503

■ 0.0000, 0.0000,
0.0000

■ 50.6912, 38.5878,
51.7902

■ 50.6912, 38.5878,
51.7902

■ 46.6259, 32.2304,
44.9679

■ 55.5436, 46.3806,
59.3008

■ 43.2980, 27.2132,
38.8069

■ 61.2221, 55.6854,
67.5204

■ 40.6571, 23.4382,
33.2812

■ 67.7670, 66.5794,
76.4717

■ 38.6444, 20.7911,
28.3613

■ 75.2151, 79.1334,
86.1752

■ 37.1906, 19.1364,
24.0138

■ 83.6009, 93.4137,
96.6507

■ 36.1771, 18.2407,
20.1885

■ 85.8855, 95.3399,
105.5599

■ 36.1769, 18.2405,
20.1876

■ 86.4433, 95.5631,
108.4972

Harmonies

Analogous

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



46.7434, 38.5878, 73.4987



50.6912, 38.5878, 51.7902



50.5795, 38.5878, 32.7334

Triad

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



50.6912, 38.5878, 51.7902



33.2734, 38.5878, 15.5055



28.3769, 38.5878, 74.5267

Complementary

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



50.6912, 38.5878, 51.7902



47.1202, 65.3341, 53.8463

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.



25.5878, 38.5878, 52.9050



50.6912, 38.5878, 51.7902



28.1700, 38.5878, 21.1179

Square

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



50.6912, 38.5878, 51.7902



39.9472, 38.5878, 15.3731



25.5170, 38.5878, 33.5553



33.5894, 38.5878, 89.1001

Rectangle

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



50.6912, 38.5878, 51.7902



48.1990, 38.5878, 23.8744



25.5170, 38.5878, 33.5553



27.1545, 38.5878, 67.5908

Sweetspot

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



50.6923, 38.5896, 51.7910



83.8353, 81.1194, 94.2211



42.4135, 33.7080, 79.1341



17.7045, 16.9627, 19.8431



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.



50.6923, 38.5896, 51.7910



59.7415, 41.9932, 58.2550



46.5357, 36.9270, 29.9025



14.6962, 14.4957, 16.6007



20.5436, 10.3517, 11.7576



1.5649, 0.7837, 1.1155

Inverse Universe

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



50.6923, 38.5896, 51.7910



59.7415, 41.9932, 58.2550



52.6352, 67.5401, 82.8876



14.6962, 14.4957, 16.6007



20.5436, 10.3517, 11.7576



1.5649, 0.7837, 1.1155

Previews

White Background



This preview shows how the XYZ color 50.6912, 38.5878, 51.7902 looks on a white background.

Color Contrast Check

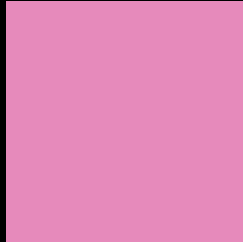
Large Text (above 18pt) WCAG AA × Fail

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 50.6912, 38.5878, 51.7902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

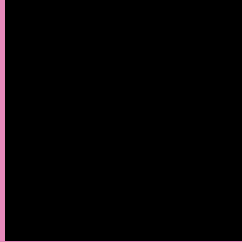
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6912, 38.5878, 51.7902

Background



This preview shows how black text looks on a background with the XYZ color 50.6912, 38.5878, 51.7902.



This preview shows how white text looks on a background with the XYZ color 50.6912, 38.5878,

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

50.6912, 38.5878, 51.7902

Protanopia

38.7562, 38.9493, 63.2329

Deuteranopia

39.7759, 38.9604, 50.2234



Tritanopia

47.5682, 38.6440, 35.9623

Trichromacy



Original Color

50.6912, 38.5878, 51.7902



Protanomaly

41.8487, 38.0445, 58.5637



Deuteranomaly

42.9723, 38.3077, 50.4766



Tritanomaly

48.6430, 38.6300, 41.4518

Monochromacy



Original Color

50.6912, 38.5878, 51.7902



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

42.0722, 39.1771, 46.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6912, 38.5878, 51.7902 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, 138, 187)` looks like.

```
.text, #text, p{  
    color:rgb(230, 138, 187)  
}
```

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, 138, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 138, 187) }
```

Border

The CSS property to change the border of an element to XYZ 50.6912, 38.5878, 51.7902 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, 138, 187) }
```


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

```
.border{ border-color:rgb(230, 138, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 138, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 138, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 138, 187);  
box-shadow:4px 4px 4px 4px rgb(230, 138,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6912, 38.5878, 51.7902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 138, 187) }
```

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

```
.background{ background-color: rgb(230,  
138, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor