

Converting Colors

XYZ(50.4363, 48.5900, 88.7822)

Have a look what the booklet for
XYZ(50.4363, 48.5900, 88.7822)
contains.

XYZ(50.6121, 48.8040, 89.1906)	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(50.6121, 48.8040,
89.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B5F0
RGB	178, 181, 240
RGB Percent	70%, 71%, 94%
CMY	0.3020, 0.2902, 0.0588
CMYK	0.26, 0.25, 0.00, 0.06
HSL	237°, 67%, 82%
HSV	237°, 26%, 94%
XYZ	50.6121, 48.8040, 89.1906
YIQ	186.8290, -20.7270, 17.7130

Conversions

Conversions Part 2

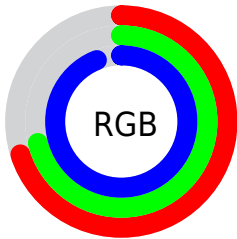
Format	Color
R _Y B	178, 181, 240
Decimal	11711984
CIE Lab	75.33, 11.61, -29.67
CIE LCh	75, 31.858, 291.367
Yxy	48.8040, 0.2683, 0.2588
Android (android.graphics.Color)	4289902064 (0xFFB2B5F0)
YUV	186.8290, 26.2133, -7.7430
Hunter-Lab	69.8599, 7.0650, -26.7941

Details

The XYZ color **50.6121, 48.8040, 89.1906** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.2558, 82.3082, 54.0943**, and the grayscale version is **47.0044, 49.4523, 53.8535**.

A 20% lighter version of the original color is **82.5951, 85.4505, 106.7481**, and **24.6831, 23.1841, 48.5214** is the 20% darker color. If you saturate the color by 10%, you get **41.3104, 37.6718, 87.5330**, and if you desaturate by 10%, it is **61.6416, 61.9590, 91.1493**.

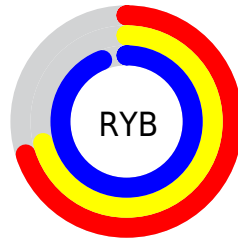
Distribution



Red (70%)

Green (71%)

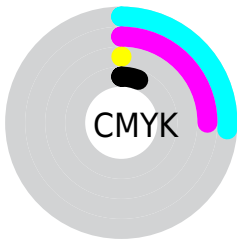
Blue (94%)



Red (70%)

Yellow (71%)

Blue (94%)

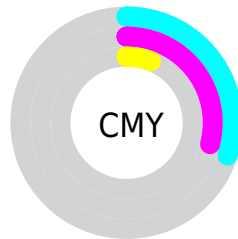


Cyan (26%)

Magenta (25%)

Yellow (0%)

Black (6%)



Cyan (30%)

Magenta (29%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6121, 48.8040, 89.1906 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 50.6121, 48.8040, 89.1906 by changing the saturation by 10% instead.

■ 50.6121, 48.8040,
89.1906

■ 50.6121, 48.8040,
89.1906

379.4674,
381.9702, 545.8964

■ 36.1198, 34.4640,
66.7396

■ 90.2675, 88.4003,
148.1393

■ 24.6973, 23.2503,
48.4128

116.1614,
114.4254, 185.4740

■ 15.9792, 14.7784,
33.7916

146.5864,
145.1143, 228.6071

■ 9.6002, 8.6640,
22.4575

181.9080,
180.8515, 277.9571

■ 5.1949, 4.5227,
13.9919

222.4916,
222.0212, 333.9424

■ 2.3980, 1.9700,
7.9763

268.7024,

■ 0.8441, 0.5900,

269.0080, 396.9817

3.9923

320.9059,
322.1962, 467.4935

■ 0.0000, 0.0000,
1.6211

■ 0.0000, 0.0000,
0.3058

■ 50.6121, 48.8040,
89.1906

■ 50.6121, 48.8040,
89.1906

■ 41.3104, 37.6718,
87.5330

■ 61.6416, 61.9590,
91.1493

■ 33.6443, 28.4567,
86.1583

■ 74.4751, 77.2241,
93.4193

■ 27.5207, 21.0522,
85.0518

■ 89.1900, 94.6884,
96.0147

■ 22.8350, 15.3388,
84.1960

■ 92.7283, 99.0713,
96.6742

■ 19.4694, 11.1830,
83.5712

■ 17.2878, 8.4309,
83.1550

■ 16.1242, 6.8972,
82.9203

■ 15.8552, 6.5451,
82.8665

Harmonies

Analogous

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



44.7167, 48.8040, 91.8311



50.6121, 48.8040, 89.1906



55.7520, 48.8040, 75.9268

Triad

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



50.6121, 48.8040, 89.1906



53.7792, 48.8040, 31.7163



36.1195, 48.8040, 48.4434

Complementary

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



50.6121, 48.8040, 89.1906



74.2558, 82.3082, 54.0943

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.



38.1338, 48.8040, 35.4389



50.6121, 48.8040, 89.1906



48.0978, 48.8040, 27.2044

Square

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



50.6121, 48.8040, 89.1906



57.6849, 48.8040, 42.2330



42.4033, 48.8040, 28.4066



36.6694, 48.8040, 65.7780

Rectangle

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



50.6121, 48.8040, 89.1906



57.8977, 48.8040, 64.1250



42.4033, 48.8040, 28.4066



36.5125, 48.8040, 43.4859

Sweetspot

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



50.6137, 48.8059, 89.1917



82.0558, 84.5678, 106.6062



64.7927, 77.8947, 91.6653



17.0735, 17.5187, 22.7315



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.



50.6137, 48.8059, 89.1917



52.2194, 48.9966, 101.3128



57.0756, 51.2410, 89.3211



14.9586, 15.3514, 19.8963



8.7063, 3.6369, 45.3710



0.7457, 0.3455, 3.7816

Inverse Universe

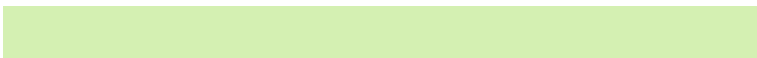
The Inverse Universe completely reimagines the original color for something new.



60.1973, 53.7037, 50.9112



64.9710, 55.5773, 50.3639



66.3773, 79.5474, 53.9766



15.8038, 15.7712, 16.5231



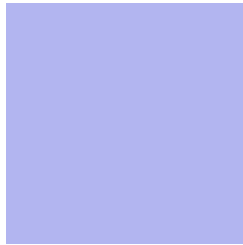
19.7202, 10.1605, 1.1770



1.6514, 0.8496, 0.1549

Previews

White Background



This preview shows how the XYZ color 50.6121, 48.8040, 89.1906 looks on a white background.

Color Contrast Check

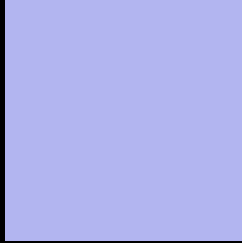
Large Text (above 18pt) WCAG AA × Fail

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 50.6121, 48.8040, 89.1906 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 50.6121, 48.8040, 89.1906

Background



This preview shows how black text looks on a background with the XYZ color 50.6121, 48.8040, 89.1906.



This preview shows how white text looks on a background with the XYZ color 50.6121, 48.8040,

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

50.6121, 48.8040, 89.1906

Protanopia

49.5381, 48.8238, 90.8174

Deuteranopia

49.9117, 48.7458, 89.2163



Tritanopia

45.5573, 48.9362, 63.5444

Trichromacy



Original Color

50.6121, 48.8040, 89.1906

Protanomaly

49.8387, 48.6910, 89.9906

Deuteranomaly

50.1353, 48.8611, 89.2268

Tritanomaly

47.1992, 48.6545, 71.8693

Monochromacy



Original Color

50.6121, 48.8040, 89.1906

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2567, 49.3445, 65.3736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6121, 48.8040, 89.1906 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(178, 181, 240)` looks like.

```
.text, #text, p{  
    color:rgb(178, 181, 240)  
}
```

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(178, 181, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 181, 240) }
```

Border

The CSS property to change the border of an element to XYZ 50.6121, 48.8040, 89.1906 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(178, 181, 240) }
```


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

```
.border{ border-color:rgb(178, 181, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 181, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 181, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 181, 240);  
box-shadow:4px 4px 4px 4px rgb(178, 181,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6121, 48.8040, 89.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 181, 240) }
```

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

```
.background{ background-color: rgb(178,  
181, 240) }
```

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