

# Converting Colors

XYZ(50.6025, 43.5367, 84.3357)

Have a look what the booklet for  
XYZ(50.6025, 43.5367, 84.3357)  
contains.

<b>XYZ(50.6807, 43.5746, 84.3368)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(50.6807, 43.5746,  
84.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4A2EB
RGB	196, 162, 235
RGB Percent	77%, 64%, 92%
CMY	0.2314, 0.3647, 0.0784
CMYK	0.17, 0.31, 0.00, 0.08
HSL	268°, 65%, 78%
HSV	268°, 31%, 92%
XYZ	50.6807, 43.5746, 84.3368
YIQ	180.4880, -3.1690, 29.9110

# Conversions

## Conversions Part 2

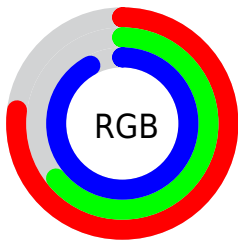
Format	Color
R <sub>Y</sub> B	196, 162, 235
Decimal	12886763
CIE Lab	71.94, 26.39, -32.05
CIE LCh	72, 41.512, 309.464
Yxy	43.5746, 0.2838, 0.2440
Android (android.graphics.Color)	4291076843 (0xFFC4A2EB)
YUV	180.4880, 26.8744, 13.6040
Hunter-Lab	66.0111, 21.5259, -29.5421

# Details

The XYZ color **50.6807, 43.5746, 84.3368** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.3186, 74.4438, 45.3743**, and the grayscale version is **43.5071, 45.7729, 49.8467**.

A 20% lighter version of the original color is **83.3709, 77.7284, 105.2167**, and **24.6971, 20.0693, 45.2199** is the 20% darker color. If you saturate the color by 10%, you get **43.7915, 34.4424, 82.9379**, and if you desaturate by 10%, it is **58.6196, 54.3983, 86.0083**.

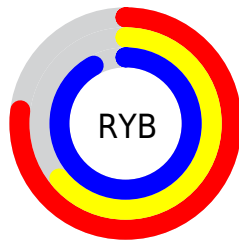
# Distribution



Red (77%)

Green (64%)

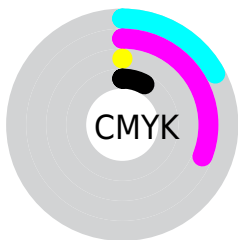
Blue (92%)



Red (77%)

Yellow (64%)

Blue (92%)

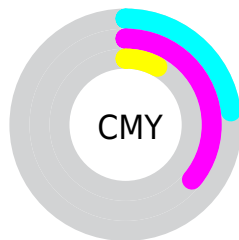


Cyan (17%)

Magenta (31%)

Yellow (0%)

Black (8%)



Cyan (23%)

Magenta (36%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6807, 43.5746, 84.3368 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 50.6807, 43.5746, 84.3368 by changing the saturation by 10% instead.




 50.6807, 43.5746,  
84.3368


 50.6807, 43.5746,  
84.3368


379.7301,  
360.9695, 529.5182

 36.1746, 30.3362,  
62.7465


 90.3684, 80.5772,  
141.3121

 24.7398, 20.0939,  
45.1965


 116.2807,  
105.1103, 177.5343

 16.0110, 12.4633,  
31.2682


146.7258,  
134.1770, 219.4708

 9.6228, 7.0601,  
20.5430

182.0690,  
168.1618, 267.5403

 5.2099, 3.4997,  
12.6024

222.6757,  
207.4490, 322.1612

 2.4070, 1.3978,  
7.0278

268.9112,

 0.8486, 0.2151,

252.4231, 383.7522

3.4008

321.1409,  
303.4685, 452.7317

■ 0.0000, 0.0000,  
1.3027

■ 0.0000, 0.0000,  
0.0640

■ 50.6807, 43.5746,  
84.3368

■ 50.6807, 43.5746,  
84.3368

■ 43.7915, 34.4424,  
82.9379

■ 58.6196, 54.3983,  
86.0083

■ 37.8979, 26.9064,  
81.7940

■ 67.6500, 66.9910,  
87.9629

■ 32.9469, 20.8702,  
80.8898

■ 77.8168, 81.4319,  
90.2145

■ 28.8784, 16.2240,  
80.2074

■ 88.8395, 97.1512,  
92.6676

■ 25.6240, 12.8424,  
79.7262

■ 91.9955, 98.7782,  
92.8153

■ 23.1032, 10.5760,  
79.4216

■ 21.3579, 9.2782,  
79.2631

# Harmonies

## Analogous

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



43.6943, 43.5746, 97.1984



50.6807, 43.5746, 84.3368



55.5098, 43.5746, 62.4701

# Triad

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



50.6807, 43.5746, 84.3368



46.3752, 43.5746, 19.5094



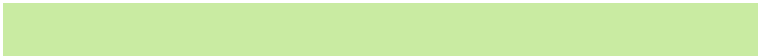
29.3924, 43.5746, 54.1459

# Complementary

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



50.6807, 43.5746, 84.3368



60.3186, 74.4438, 45.3743

# 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.



29.9363, 43.5746, 35.0463



50.6807, 43.5746, 84.3368



39.2190, 43.5746, 18.4530

# Square

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



50.6807, 43.5746, 84.3368



52.8342, 43.5746, 26.7370



33.3560, 43.5746, 23.2715



31.7748, 43.5746, 76.7738



# Rectangle

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



50.6807, 43.5746, 84.3368



56.5669, 43.5746, 47.8106



33.3560, 43.5746, 23.2715



29.2458, 43.5746, 47.0819

# Sweetspot

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



50.6822, 43.5764, 84.3378



83.7928, 83.9697, 106.3992



51.0529, 55.9926, 86.7148



17.5684, 17.4555, 22.6932



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.



50.6822, 43.5764, 84.3378



55.7987, 45.5090, 100.4509



60.9850, 48.8877, 84.8199



14.8981, 14.8927, 19.0116



12.0309, 5.2381, 44.1199



1.0548, 0.4681, 3.4696



# Inverse Universe

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



57.7252, 47.7216, 61.4286



65.6887, 51.3336, 68.1113



51.8840, 70.0956, 44.9795



15.4019, 15.1886, 17.4015



21.2127, 10.6878, 12.1872

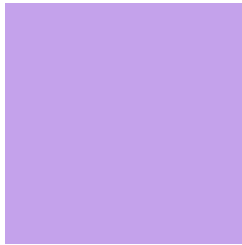


1.7142, 0.8587, 1.2126



# Previews

## White Background



This preview shows how the XYZ color 50.6807, 43.5746, 84.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

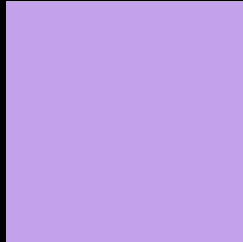
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.6807, 43.5746, 84.3368 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 50.6807, 43.5746, 84.3368**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.6807, 43.5746, 84.3368.



This preview shows how white text looks on a background with the XYZ color 50.6807, 43.5746,



# 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

50.6807, 43.5746, 84.3368

### Protanopia

44.9828, 43.7723, 91.6660

### Deuteranopia

44.9483, 43.9418, 83.2034



## Tritanopia

44.2485, 43.6992, 52.0016

# Trichromacy



## Original Color

50.6807, 43.5746, 84.3368

## Protanomaly

46.8295, 43.6464, 89.1755

## Deuteranomaly

46.9052, 43.8039, 83.8247

## Tritanomaly

46.2680, 43.3934, 62.4371

# Monochromacy



## Original Color

50.6807, 43.5746, 84.3368

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.6186, 44.4964, 60.8279

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.6807, 43.5746, 84.3368 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(196, 162, 235)` looks like.

```
.text, #text, p{  
    color:rgb(196, 162, 235)  
}
```

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(196, 162, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 162, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 50.6807, 43.5746, 84.3368 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".

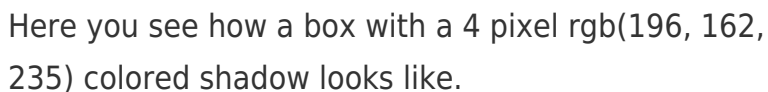
```
.border, #border, table{ border:4px solid rgb(196, 162, 235) }
```



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

```
.border{ border-color:rgb(196, 162, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 162, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 162, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 162, 235); box-shadow:4px 4px 4px 4px rgb(196, 162, 235) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.6807, 43.5746, 84.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 162, 235) }
```

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

```
.background{ background-color: rgb(196,  
162, 235) }
```

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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