

# Converting Colors

XYZ(50.8891, 49.4636, 78.8557)

Have a look what the booklet for  
XYZ(50.8891, 49.4636, 78.8557)  
contains.

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# Color

**XYZ(50.9489, 49.5117,  
78.8229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB6E2
RGB	187, 182, 226
RGB Percent	73%, 71%, 89%
CMY	0.2667, 0.2863, 0.1137
CMYK	0.17, 0.19, 0.00, 0.11
HSL	247°, 43%, 80%
HSV	247°, 19%, 89%
XYZ	50.9489, 49.5117, 78.8229
YIQ	188.5110, -11.1440, 14.7440

# Conversions

## Conversions Part 2

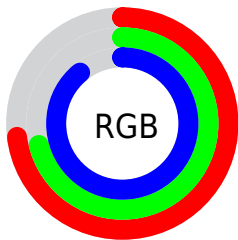
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 182, 226
Decimal	12302050
CIE Lab	75.77, 10.61, -21.36
CIE LCh	76, 23.850, 296.416
Yxy	49.5117, 0.2842, 0.2762
Android (android.graphics.Color)	4290492130 (0xFFBBB6E2)
YUV	188.5110, 18.4821, -1.3251
Hunter-Lab	70.3646, 6.1086, -17.1619

# Details

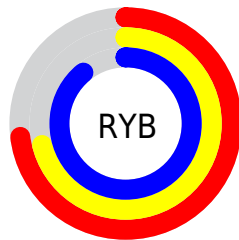
The XYZ color **50.9489, 49.5117, 78.8229** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.4604, 73.1435, 54.9263**, and the grayscale version is **47.9945, 50.4939, 54.9879**.

A 20% lighter version of the original color is **85.9328, 87.6022, 106.9875**, and **24.8738, 23.6273, 41.7776** is the 20% darker color. If you saturate the color by 10%, you get **42.1252, 38.6387, 77.1901**, and if you desaturate by 10%, it is **61.2063, 62.2351, 80.7389**.

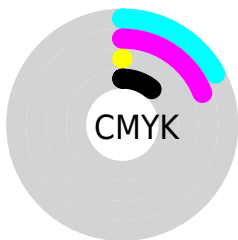
# Distribution



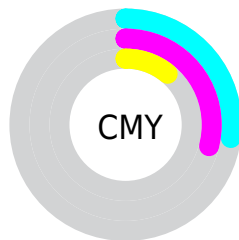
- Red (73%)
- Green (71%)
- Blue (89%)



- Red (73%)
- Yellow (71%)
- Blue (89%)



- Cyan (17%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (27%)
- Magenta (29%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9489, 49.5117, 78.8229 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 50.9489, 49.5117, 78.8229 by changing the saturation by 10% instead.



■ 50.9489, 49.5117,  
78.8229

■ 50.9489, 49.5117,  
78.8229

380.7562,  
384.7533, 510.5588

■ 36.3888, 35.0256,  
58.2298

■ 90.7627, 89.4510,  
133.5059

■ 24.9061, 23.6826,  
41.5775

116.7471,  
115.6729, 168.4329

■ 16.1355, 15.0983,  
28.4475

147.2703,  
146.5755, 208.9748

■ 9.7115, 8.8884,  
18.4213

182.6977,  
182.5433, 255.5503

■ 5.2689, 4.6685,  
11.0803

223.3946,  
223.9605, 308.5780

■ 2.4423, 2.0541,  
6.0060

269.7264,

■ 0.8662, 0.6386,

271.2117, 368.4762

2.7799

322.0585,  
324.6812, 435.6636

■ 0.0000, 0.0000,  
0.9834

■ 0.0000, 0.0000,  
0.0000

■ 50.9489, 49.5117,  
78.8229

■ 50.9489, 49.5117,  
78.8229

■ 42.1252, 38.6387,  
77.1901

■ 61.2063, 62.2351,  
80.7389

■ 34.6667, 29.5239,  
75.8238

■ 72.9526, 76.8830,  
82.9472

■ 28.5060, 22.0764,  
74.7110

■ 86.2458, 93.5333,  
85.4604

■ 23.5684, 16.1947,  
73.8360

■ 90.7276, 98.2710,  
86.1386

■ 19.7713, 11.7662,  
73.1813

■ 17.0218, 8.6631,  
72.7273

■ 15.2120, 6.7352,  
72.4505

■ 14.1858, 5.7466,  
72.3138

■ 14.1453, 5.7064,  
72.3082

# Harmonies

## Analogous

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



46.5293, 49.5117, 82.0846



50.9489, 49.5117, 78.8229



54.5129, 49.5117, 68.5506

# Triad

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



50.9489, 49.5117, 78.8229



51.9268, 49.5117, 36.0442



39.0647, 49.5117, 52.4003

# Complementary

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



50.9489, 49.5117, 78.8229



65.4604, 73.1435, 54.9263

# 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.



40.3182, 49.5117, 41.5179



50.9489, 49.5117, 78.8229



47.5935, 49.5117, 33.0558

# Square

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



50.9489, 49.5117, 78.8229



55.1019, 49.5117, 43.7751



43.3730, 49.5117, 34.8916



39.8402, 49.5117, 65.4992



# Rectangle

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



50.9489, 49.5117, 78.8229



55.8280, 49.5117, 59.8406



43.3730, 49.5117, 34.8916



39.2607, 49.5117, 48.3845

# Sweetspot

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



50.9505, 49.5137, 78.8240



85.5472, 88.1416, 107.1120



59.0355, 67.4677, 81.8633



18.0986, 18.6018, 22.8866



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.



50.9505, 49.5137, 78.8240



62.5009, 59.5562, 102.8091



56.5821, 52.4170, 79.0876



13.0959, 13.3175, 17.2680



8.1198, 3.2812, 41.2537



0.6117, 0.2527, 2.8618



# Inverse Universe

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



61.1448, 54.8472, 75.7728



78.0547, 67.6962, 98.0346



59.3541, 69.9956, 54.6405



14.2244, 13.9074, 16.9521



23.8908, 11.6233, 32.4204

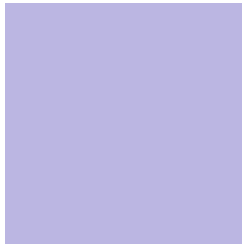


1.6753, 0.8134, 2.3490



# Previews

## White Background



This preview shows how the XYZ color 50.9489, 49.5117, 78.8229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

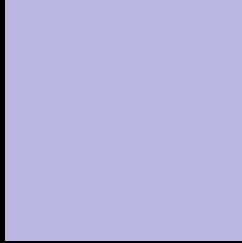
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9489, 49.5117, 78.8229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

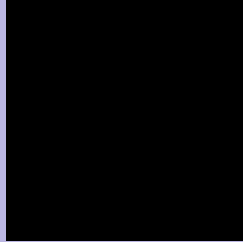
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.9489, 49.5117, 78.8229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9489, 49.5117, 78.8229.



This preview shows how white text looks on a background with the XYZ color 50.9489, 49.5117,



# 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

50.9489, 49.5117, 78.8229

### Protanopia

49.4840, 49.6465, 80.3734

### Deuteranopia

50.6685, 49.6722, 78.8687



## Tritanopia

47.6300, 49.4021, 62.2835

# Trichromacy



## Original Color

50.9489, 49.5117, 78.8229

## Protanomaly

50.0617, 49.6508, 79.6181

## Deuteranomaly

50.9107, 49.7971, 78.8800

## Tritanomaly

48.7490, 49.5414, 67.9659

# Monochromacy



## Original Color

50.9489, 49.5117, 78.8229

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

48.9586, 50.0734, 62.9619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9489, 49.5117, 78.8229 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(187, 182, 226)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 226)  
}
```

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(187, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9489, 49.5117, 78.8229 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".

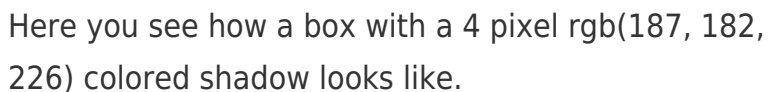
```
.border, #border, table{ border:4px solid rgb(187, 182, 226) }
```



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

```
.border{ border-color:rgb(187, 182, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 182, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 182, 226); box-shadow:4px 4px 4px 4px rgb(187, 182, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9489, 49.5117, 78.8229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 226) }
```

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

```
.background{ background-color: rgb(187,  
182, 226) }
```

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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