

Converting Colors

XYZ(50.1890, 49.7703, 67.8798)

Have a look what the booklet for
XYZ(50.1890, 49.7703, 67.8798)
contains.

XYZ(50.0522, 49.5965, 67.9078)	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(50.0522, 49.5965,
67.9078)**

Conversions

Conversions Part 1

Format	Color
Hex	BFB7D2
RGB	191, 183, 210
RGB Percent	75%, 72%, 82%
CMY	0.2510, 0.2823, 0.1765
CMYK	0.09, 0.13, 0.00, 0.18
HSL	258°, 23%, 77%
HSV	258°, 13%, 82%
XYZ	50.0522, 49.5965, 67.9078
YIQ	188.4700, -3.8990, 10.0930

Conversions

Conversions Part 2

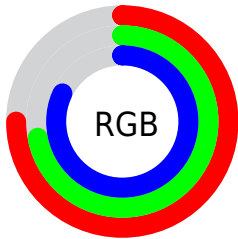
Format	Color
R _Y B	191, 183, 210
Decimal	12564434
CIE Lab	75.82, 7.99, -12.56
CIE LCh	76, 14.889, 302.445
Yxy	49.5965, 0.2987, 0.2960
Android (android.graphics.Color)	4290754514 (0xFFBFB7D2)
YUV	188.4700, 10.6143, 2.2188
Hunter-Lab	70.4248, 3.6199, -7.8736

Details

The XYZ color **50.0522, 49.5965, 67.9078** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.9528, 62.0699, 53.8338**, and the grayscale version is **48.0116, 50.5119, 55.0075**.

A 20% lighter version of the original color is **87.2743, 88.7272, 107.1339**, and **24.2999, 23.6839, 34.7432** is the 20% darker color. If you saturate the color by 10%, you get **42.5089, 39.7514, 66.4059**, and if you desaturate by 10%, it is **58.6198, 60.9316, 69.6449**.

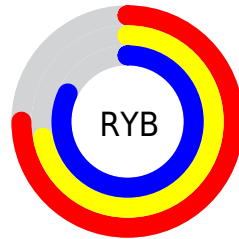
Distribution



Red (75%)

Green (72%)

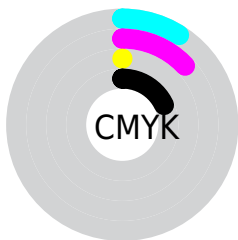
Blue (82%)



Red (75%)

Yellow (72%)

Blue (82%)

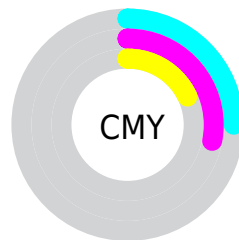


Cyan (9%)

Magenta (13%)

Yellow (0%)

Black (18%)



Cyan (25%)

Magenta (28%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0522, 49.5965, 67.9078 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 50.0522, 49.5965, 67.9078 by changing the saturation by 10% instead.

■ 50.0522, 49.5965,
67.9078

■ 50.0522, 49.5965,
67.9078

377.3187,
385.0859, 471.7585

■ 35.6728, 35.0929,
49.3565

■ 89.4436, 89.5767,
117.8732

■ 24.3506, 23.7344,
34.5348

115.1863,
115.8222, 150.1244

■ 15.7200, 15.1367,
23.0240

145.4475,
146.7503, 187.7793

■ 9.4158, 8.9154,
14.4058

180.5926,
182.7456, 231.2565

■ 5.0727, 4.6861,
8.2615

220.9869,
224.1924, 280.9744

■ 2.3252, 2.0643,
4.1726

266.9958,

■ 0.8075, 0.6444,

271.4751, 337.3517

1.7205

318.9846,
324.9782, 400.8069

■ 0.0000, 0.0000,
0.3747

■ 0.0000, 0.0000,
0.0000

■ 50.0522, 49.5965,
67.9078

■ 50.0522, 49.5965,
67.9078

■ 42.5089, 39.7514,
66.4059

■ 58.6198, 60.9316,
69.6449

■ 35.9459, 31.3274,
65.1258

■ 68.2445, 73.8094,
71.6233

■ 30.3224, 24.2592,
64.0578

■ 78.9634, 88.2876,
73.8529

■ 25.5929, 18.4739,
63.1904

■ 86.8599, 96.5191,
75.0256

■ 21.7080, 13.8917,
62.5108

■ 88.6330, 97.4332,
75.1086

■ 18.6129, 10.4237,
62.0045

■ 16.2457, 7.9678,
61.6552

■ 14.5340, 6.4024,
61.4433

■ 13.6327, 5.6841,
61.3521

Harmonies

Analogous

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



47.3673, 49.5965, 70.6999



50.0522, 49.5965, 67.9078



52.0157, 49.5965, 61.3616

Triad

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



50.0522, 49.5965, 67.9078



49.6441, 49.5965, 41.5890



42.0220, 49.5965, 54.6548

Complementary

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



50.0522, 49.5965, 67.9078



55.9528, 62.0699, 53.8338

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.



42.5789, 49.5965, 47.2560



50.0522, 49.5965, 67.9078



46.9134, 49.5965, 40.1651

Square

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



50.0522, 49.5965, 67.9078



51.7737, 49.5965, 46.2334



44.3430, 49.5965, 42.1376



42.7913, 49.5965, 62.5958

Rectangle

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



50.0522, 49.5965, 67.9078



52.6131, 49.5965, 56.0302



44.3430, 49.5965, 42.1376



42.0603, 49.5965, 52.0236

Sweetspot

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



50.0537, 49.5986, 67.9089



89.2901, 92.3277, 107.7227



52.3657, 57.1275, 69.2403



18.8863, 19.4625, 23.0112



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.



50.0537, 49.5986, 67.9089



74.8190, 73.2241, 104.7980



53.5109, 51.3808, 68.0707



11.4881, 11.5850, 14.8743



8.4042, 3.5128, 37.4276



0.5496, 0.2375, 2.0964

Inverse Universe

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



54.1742, 51.8351, 63.0294



82.2674, 77.2685, 95.9032



52.5446, 60.3130, 53.6743



12.1554, 11.9469, 14.0939



19.5089, 9.6764, 18.1178



1.1247, 0.5546, 1.1917

Previews

White Background



This preview shows how the XYZ color 50.0522, 49.5965, 67.9078 looks on a white background.

Color Contrast Check

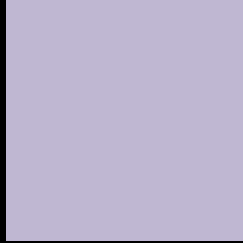
Large Text (above 18pt) WCAG AA × Fail

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 50.0522, 49.5965, 67.9078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

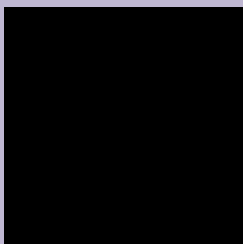
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

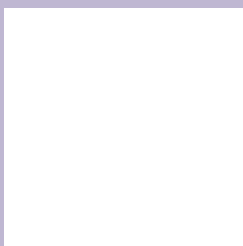
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0522, 49.5965, 67.9078

Background



This preview shows how black text looks on a background with the XYZ color 50.0522, 49.5965, 67.9078.



This preview shows how white text looks on a background with the XYZ color 50.0522, 49.5965,

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

50.0522, 49.5965, 67.9078

Protanopia

48.7611, 49.5187, 69.2754

Deuteranopia

50.6089, 49.5784, 67.8750



Tritanopia

48.6440, 49.6403, 61.0505

Trichromacy



Original Color

50.0522, 49.5965, 67.9078

Protanomaly

49.1481, 49.4232, 68.5773

Deuteranomaly

50.3531, 49.4465, 67.8630

Tritanomaly

49.1552, 49.5399, 63.4713

Monochromacy



Original Color

50.0522, 49.5965, 67.9078

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.5090, 49.9222, 59.3038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0522, 49.5965, 67.9078 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(191, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(191, 183, 210)  
}
```

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(191, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 183, 210) }
```

Border

The CSS property to change the border of an element to XYZ 50.0522, 49.5965, 67.9078 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(191, 183, 210) }
```


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

```
.border{ border-color:rgb(191, 183, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 183, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 183, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 183, 210);  
box-shadow:4px 4px 4px 4px rgb(191, 183,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0522, 49.5965, 67.9078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 183, 210) }
```

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

```
.background{ background-color: rgb(191,  
183, 210) }
```

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