

Converting Colors

XYZ(50.1657, 44.7293, 68.4123)

Have a look what the booklet for
XYZ(50.1657, 44.7293, 68.4123)
contains.

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Color

**XYZ(50.1485, 44.7224,
68.2765)**

Conversions

Conversions Part 1

Format	Color
Hex	CBA6D4
RGB	203, 166, 212
RGB Percent	80%, 65%, 83%
CMY	0.2039, 0.3490, 0.1686
CMYK	0.04, 0.22, 0.00, 0.17
HSL	288°, 35%, 74%
HSV	288°, 22%, 83%
XYZ	50.1485, 44.7224, 68.2765
YIQ	182.3070, 7.2860, 22.1500

Conversions

Conversions Part 2

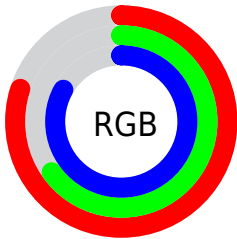
Format	Color
R _Y B	203, 166, 212
Decimal	13346516
CIE Lab	72.71, 21.66, -18.24
CIE LCh	73, 28.318, 319.902
Yxy	44.7224, 0.3074, 0.2741
Android (android.graphics.Color)	4291536596 (0xFFCBA6D4)
YUV	182.3070, 14.6386, 18.1478
Hunter-Lab	66.8748, 16.8238, -13.7203

Details

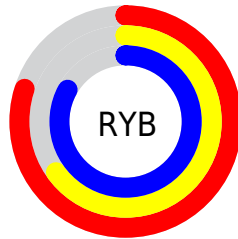
The XYZ color **50.1485, 44.7224, 68.2765** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1071, 58.9552, 44.9225**, and the grayscale version is **44.5518, 46.8719, 51.0435**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **24.3159, 20.7648, 34.6247** is the 20% darker color. If you saturate the color by 10%, you get **45.4937, 37.0667, 67.0448**, and if you desaturate by 10%, it is **55.4715, 53.6680, 69.7233**.

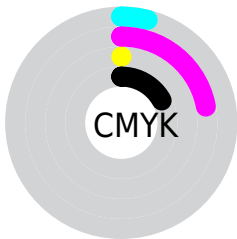
Distribution



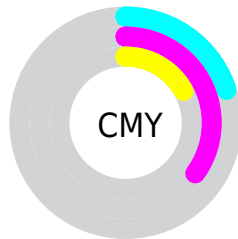
- Red (80%)
- Green (65%)
- Blue (83%)



- Red (80%)
- Yellow (65%)
- Blue (83%)



- Cyan (4%)
- Magenta (22%)
- Yellow (0%)
- Black (17%)



- Cyan (20%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1485, 44.7224, 68.2765 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 50.1485, 44.7224, 68.2765 by changing the saturation by 10% instead.


 50.1485, 44.7224,
68.2765


 50.1485, 44.7224,
68.2765


377.6888,
365.6481, 473.0997

 35.7497, 31.2388,
49.6546


 89.5854, 82.3037,
118.4056

 24.4101, 20.7808,
34.7698


 115.3541,
107.1702, 150.7498

 15.7645, 12.9639,
23.2035


145.6436,
136.5998, 188.5053

 9.4475, 7.4037,
14.5371

180.8191,
170.9769, 232.0905

 5.0936, 3.7158,
8.3522

221.2460,
210.6859, 281.9240

 2.3376, 1.5159,
4.2301

267.2897,

 0.8138, 0.2999,

256.1111, 338.4244

1.7524

319.3155,
307.6371, 402.0101

■ 0.0000, 0.0000,
0.3963

■ 0.0000, 0.0000,
0.0000

■ 50.1485, 44.7224,
68.2765

■ 50.1485, 44.7224,
68.2765

■ 45.4937, 37.0667,
67.0448

■ 55.4715, 53.6680,
69.7233

■ 41.4717, 30.6328,
66.0149

■ 61.4877, 63.9557,
71.3919

■ 38.0499, 25.3551,
65.1766

■ 68.2260, 75.6420,
73.2925

■ 35.1910, 21.1593,
64.5174

■ 75.7122, 88.7782,
75.4335

■ 32.8533, 17.9627,
64.0236

■ 78.3040, 92.0794,
75.9340

■ 30.9893, 15.6703,
63.6793

■ 79.6034, 92.7493,
75.9949

■ 29.5419, 14.1683,
63.4657

■ 80.9344, 93.4354,
76.0571

■ 28.5746, 13.3579,
63.3603

■ 82.2971, 94.1380,
76.1209

■ 83.6918, 94.8570,
76.1862

Harmonies

Analogous

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



45.8039, 44.7224, 78.8116



50.1485, 44.7224, 68.2765



52.4996, 44.7224, 53.5932

Triad

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



50.1485, 44.7224, 68.2765



44.1848, 44.7224, 26.6256



34.2312, 44.7224, 58.4947

Complementary

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



50.1485, 44.7224, 68.2765



48.1071, 58.9552, 44.9225

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.



33.8709, 44.7224, 44.1049



50.1485, 44.7224, 68.2765



39.3728, 44.7224, 27.4336

Square

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



50.1485, 44.7224, 68.2765



48.8851, 44.7224, 30.7974



35.6846, 44.7224, 33.2688



36.7099, 44.7224, 72.4532

Rectangle

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



50.1485, 44.7224, 68.2765



52.5060, 44.7224, 44.1906



35.6846, 44.7224, 33.2688



33.8661, 44.7224, 53.4957

Sweetspot

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



50.1499, 44.7243, 68.2775



88.3444, 88.4789, 107.0296



42.9803, 43.6003, 68.4384



18.7910, 18.7360, 22.8760



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.



50.1499, 44.7243, 68.2775



72.8108, 62.3685, 102.8085



51.0051, 45.3578, 59.6150



12.7039, 12.5043, 15.6815



17.7224, 8.2887, 39.1190



1.1312, 0.5320, 2.3624

Inverse Universe

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



48.5269, 44.3665, 46.5653



69.9950, 61.7750, 63.9082



47.4887, 58.4822, 51.8604



12.5216, 12.4601, 13.4209



17.0425, 8.7533, 2.2617



1.0575, 0.5398, 0.2920

Previews

White Background



This preview shows how the XYZ color 50.1485, 44.7224, 68.2765 looks on a white background.

Color Contrast Check

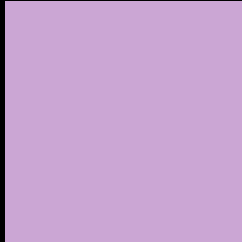
Large Text (above 18pt) WCAG AA × Fail

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 50.1485, 44.7224, 68.2765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

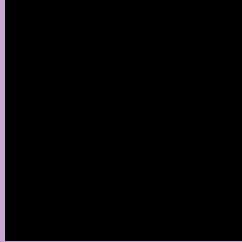
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1485, 44.7224, 68.2765

Background



This preview shows how black text looks on a background with the XYZ color 50.1485, 44.7224, 68.2765.



This preview shows how white text looks on a background with the XYZ color 50.1485, 44.7224,

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

50.1485, 44.7224, 68.2765

Protanopia

44.8705, 44.9938, 73.3376

Deuteranopia

45.8250, 44.7490, 67.1950



Tritanopia

46.7678, 44.7286, 51.5160

Trichromacy



Original Color

50.1485, 44.7224, 68.2765

Protanomaly

46.3943, 44.6688, 71.1424

Deuteranomaly

47.3070, 44.6478, 67.7526

Tritanomaly

47.7450, 44.5503, 57.1216

Monochromacy



Original Color

50.1485, 44.7224, 68.2765

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.3862, 45.8481, 56.8568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1485, 44.7224, 68.2765 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(203, 166, 212)` looks like.

```
.text, #text, p{  
    color:rgb(203, 166, 212)  
}
```

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(203, 166, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 166, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.1485, 44.7224, 68.2765 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(203, 166, 212) }
```


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

```
.border{ border-color:rgb(203, 166, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 166, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 166, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 166, 212);  
box-shadow:4px 4px 4px 4px rgb(203, 166,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1485, 44.7224, 68.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 166, 212) }
```

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

```
.background{ background-color: rgb(203,  
166, 212) }
```

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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