

Converting Colors

XYZ(51.3596, 48.6795, 68.7453)

Have a look what the booklet for
XYZ(51.3596, 48.6795, 68.7453)
contains.

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Color

**XYZ(51.3572, 48.7364,
68.9876)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B2D4
RGB	199, 178, 212
RGB Percent	78%, 70%, 83%
CMY	0.2196, 0.3019, 0.1686
CMYK	0.06, 0.16, 0.00, 0.17
HSL	277°, 28%, 76%
HSV	277°, 16%, 83%
XYZ	51.3572, 48.7364, 68.9876
YIQ	188.1550, 1.6020, 15.0260

Conversions

Conversions Part 2

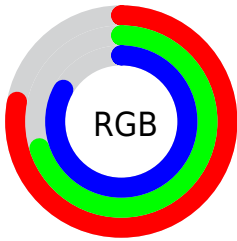
Format	Color
R_{YB}	199, 178, 212
Decimal	13087444
CIE _{Lab}	75.29, 13.77, -14.39
CIE _{LCh}	75, 19.913, 313.742
Yxy	48.7364, 0.3037, 0.2882
Android (android.graphics.Color)	4291277524 (0xFFC7B2D4)
YUV	188.1550, 11.7556, 9.5111
Hunter-Lab	69.8115, 9.1445, -9.7223

Details

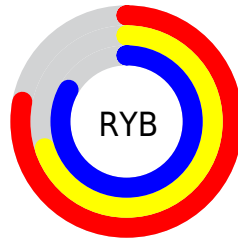
The XYZ color **51.3572, 48.7364, 68.9876** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **53.0671, 61.3790, 51.1724**, and the grayscale version is **47.8239, 50.3145, 54.7925**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **25.0965, 23.1213, 35.0384** is the 20% darker color. If you saturate the color by 10%, you get **45.3671, 39.8641, 67.5915**, and if you desaturate by 10%, it is **58.1167, 58.9756, 70.6085**.

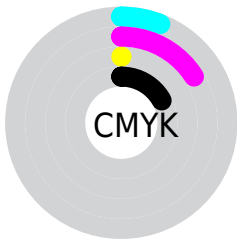
Distribution



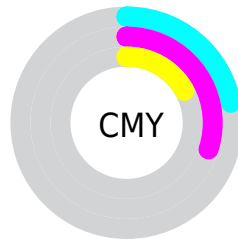
- Red (78%)
- Green (70%)
- Blue (83%)



- Red (78%)
- Yellow (70%)
- Blue (83%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)




- Cyan (22%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3572, 48.7364, 68.9876 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 51.3572, 48.7364, 68.9876 by changing the saturation by 10% instead.


 51.3572, 48.7364,
68.9876

 51.3572, 48.7364,
68.9876


382.3148,
381.7037, 475.6800

 36.7152, 34.4104,
50.2299

 91.3624, 88.2998,
119.4314

 25.1597, 23.2091,
35.2237


117.4563,
114.3061, 151.9546

 16.3254, 14.7480,
23.5503


148.0982,
144.9745, 189.9034

 9.8470, 8.6427,
14.7912

183.6534,
180.6896, 233.6963

 5.3591, 4.5089,
8.5280

224.4873,
221.8356, 283.7519

 2.4964, 1.9621,
4.3421

270.9653,

 0.8934, 0.5853,

268.7970, 340.4886

1.8148

323.4527,
321.9583, 404.3252

■ 0.0000, 0.0000,
0.4377

■ 0.0000, 0.0000,
0.0000

■ 51.3572, 48.7364,
68.9876

■ 51.3572, 48.7364,
68.9876

■ 45.3671, 39.8641,
67.5915

■ 58.1167, 58.9756,
70.6085

■ 40.1104, 32.2919,
66.4070

■ 65.6708, 70.6323,
72.4603

■ 35.5546, 25.9567,
65.4243

■ 74.0490, 83.7620,
74.5530

■ 31.6627, 20.7874,
64.6316

■ 80.7371, 93.3337,
76.0480

■ 28.3942, 16.7054,
64.0160

■ 83.4212, 94.7174,
76.1736

■ 25.7034, 13.6225,
63.5628

■ 86.2281, 96.1645,
76.3050

■ 23.5372, 11.4355,
63.2548

■ 88.8838, 97.5335,
76.4293

■ 21.8302, 10.0165,
63.0709

■ 21.2337, 9.5736,
63.0168

Harmonies

Analogous

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



48.0133, 48.7364, 75.1335



51.3572, 48.7364, 68.9876



53.4074, 48.7364, 58.9065

Triad

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



51.3572, 48.7364, 68.9876



48.3194, 48.7364, 35.9831



39.8213, 48.7364, 57.9956

Complementary

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



51.3572, 48.7364, 68.9876



53.0671, 61.3790, 51.1724

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.



39.8936, 48.7364, 47.6242



51.3572, 48.7364, 68.9876



44.6718, 48.7364, 35.8067

Square

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



51.3572, 48.7364, 68.9876



51.5914, 48.7364, 40.3223



41.6281, 48.7364, 39.8038



41.4251, 48.7364, 68.2455

Rectangle

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



51.3572, 48.7364, 68.9876



53.7007, 48.7364, 51.7619



41.6281, 48.7364, 39.8038



39.6531, 48.7364, 54.3911

Sweetspot

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



51.3587, 48.7385, 68.9887



89.3456, 91.2202, 107.5060



48.8838, 51.4967, 69.6515



18.9574, 19.2703, 22.9703



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.



51.3587, 48.7385, 68.9887



75.0034, 69.5419, 104.0776



54.4625, 50.3957, 66.5539



12.4717, 12.3846, 15.6706



13.2233, 5.9693, 38.9084



0.8885, 0.4069, 2.3510

Inverse Universe

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



52.4775, 49.6017, 56.1010



77.0450, 71.1083, 80.9536



50.3454, 59.9293, 53.1542



12.6178, 12.4986, 13.9276



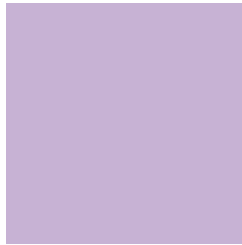
17.7257, 9.0266, 5.8595



1.1089, 0.5603, 0.5628

Previews

White Background



This preview shows how the XYZ color 51.3572, 48.7364, 68.9876 looks on a white background.

Color Contrast Check

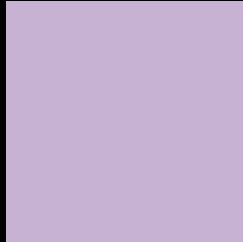
Large Text (above 18pt) WCAG AA × Fail

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 51.3572, 48.7364, 68.9876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

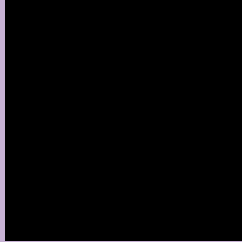
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3572, 48.7364, 68.9876

Background



This preview shows how black text looks on a background with the XYZ color 51.3572, 48.7364, 68.9876.



This preview shows how white text looks on a background with the XYZ color 51.3572, 48.7364,

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

51.3572, 48.7364, 68.9876

Protanopia

48.3576, 48.9421, 71.8638

Deuteranopia

49.7676, 48.8273, 68.4296



Tritanopia

49.1392, 48.7236, 58.4444

Trichromacy



Original Color

51.3572, 48.7364, 68.9876

Protanomaly

49.4872, 48.9270, 71.1256

Deuteranomaly

50.3273, 48.8150, 68.3977

Tritanomaly

49.8898, 48.7299, 62.0347

Monochromacy



Original Color

51.3572, 48.7364, 68.9876

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.9568, 49.5187, 59.8011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3572, 48.7364, 68.9876 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(199, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 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(199, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 212) }
```

Border

The CSS property to change the border of an element to XYZ 51.3572, 48.7364, 68.9876 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(199, 178, 212) }
```


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

```
.border{ border-color:rgb(199, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3572, 48.7364, 68.9876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 212) }
```

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

```
.background{ background-color: rgb(199,  
178, 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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