

Converting Colors

XYZ(50.3420, 50.6974, 69.1884)

Have a look what the booklet for
XYZ(50.3420, 50.6974, 69.1884)
contains.

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Color

**XYZ(50.4288, 50.6901,
69.4136)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBAD4
RGB	189, 186, 212
RGB Percent	74%, 73%, 83%
CMY	0.2588, 0.2706, 0.1686
CMYK	0.11, 0.12, 0.00, 0.17
HSL	247°, 23%, 78%
HSV	247°, 12%, 83%
XYZ	50.4288, 50.6901, 69.4136
YIQ	189.8610, -6.5580, 8.7220

Conversions

Conversions Part 2

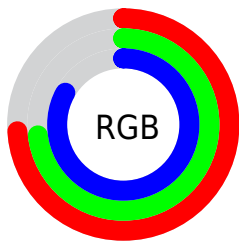
Format	Color
R _Y B	189, 186, 212
Decimal	12434132
CIE Lab	76.49, 6.11, -12.66
CIE LCh	76, 14.061, 295.757
Yxy	50.6901, 0.2957, 0.2972
Android (android.graphics.Color)	4290624212 (0xFFBDBAD4)
YUV	189.8610, 10.9145, -0.7551
Hunter-Lab	71.1970, 1.8368, -7.9670

Details

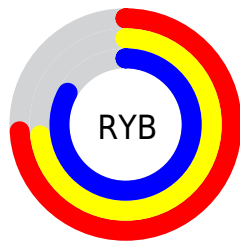
The XYZ color **50.4288, 50.6901, 69.4136** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.7028, 64.1888, 55.7525**, and the grayscale version is **48.8067, 51.3485, 55.9185**.

A 20% lighter version of the original color is **87.4583, 90.1367, 107.3963**, and **24.6267, 24.4436, 35.3184** is the 20% darker color. If you saturate the color by 10%, you get **41.9344, 40.1667, 67.8309**, and if you desaturate by 10%, it is **60.1905, 62.8531, 71.2476**.

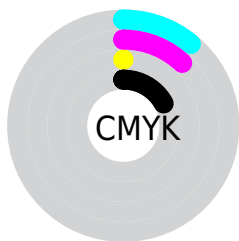
Distribution



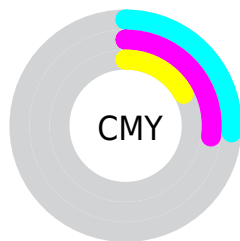
- Red (74%)
- Green (73%)
- Blue (83%)



- Red (74%)
- Yellow (73%)
- Blue (83%)



- Cyan (11%)
- Magenta (12%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4288, 50.6901, 69.4136 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 50.4288, 50.6901, 69.4136 by changing the saturation by 10% instead.

■ 50.4288, 50.6901,
69.4136

■ 50.4288, 50.6901,
69.4136

378.7648,
389.3586, 477.2217

■ 35.9734, 35.9620,
50.5748

■ 89.9979, 91.1965,
120.0454

■ 24.5837, 24.4049,
35.4959

115.8423,
117.7437, 152.6754

■ 15.8942, 15.6342,
23.7585

146.2139,
148.9993, 190.7396

■ 9.5397, 9.2657,
14.9441

181.4778,
185.3478, 234.6565

■ 5.1548, 4.9149,
8.6339

221.9995,
227.1736, 284.8446

■ 2.3740, 2.1974,
4.4097

268.1443,

■ 0.8322, 0.7186,

274.8611, 341.7225

1.8527

320.2776,
328.7946, 405.7087

■ 0.0000, 0.0000,
0.4624

■ 0.0000, 0.0000,
0.0000

■ 50.4288, 50.6901,
69.4136

■ 50.4288, 50.6901,
69.4136

■ 41.9344, 40.1667,
67.8309

■ 60.1905, 62.8531,
71.2476

■ 34.6508, 31.2066,
66.4853

■ 71.2640, 76.7151,
73.3396

■ 28.5240, 23.7370,
65.3664

■ 83.6970, 92.3403,
75.7003

■ 23.4939, 17.6765,
64.4617

■ 88.8838, 97.5335,
76.4293

■ 19.4952, 12.9362,
63.7575

■ 16.4554, 9.4170,
63.2385

■ 14.2924, 7.0054,
62.8870

■ 12.9101, 5.5666,
62.6821

■ 12.2711, 4.9532,
62.5974

Harmonies

Analogous

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



47.8033, 50.6901, 71.0701



50.4288, 50.6901, 69.4136



52.5175, 50.6901, 63.8223

Triad

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



50.4288, 50.6901, 69.4136



51.1052, 50.6901, 43.9824



43.2724, 50.6901, 54.1198

Complementary

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



50.4288, 50.6901, 69.4136



58.7028, 64.1888, 55.7525

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.



44.0870, 50.6901, 47.3786



50.4288, 50.6901, 69.4136



48.5575, 50.6901, 41.8762

Square

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



50.4288, 50.6901, 69.4136



52.9180, 50.6901, 49.0886



45.9979, 50.6901, 43.0606



43.7325, 50.6901, 61.7834

Rectangle

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



50.4288, 50.6901, 69.4136



53.2913, 50.6901, 58.8633



45.9979, 50.6901, 43.0606



43.4054, 50.6901, 51.6784

Sweetspot

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



50.4303, 50.6922, 69.4147



88.6395, 91.9924, 107.6922



55.0337, 60.9914, 71.1600



18.7222, 19.3779, 23.0035



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.



50.4303, 50.6922, 69.4147



72.6660, 72.1142, 104.6973



53.6933, 52.3744, 69.5674



11.8743, 12.0766, 15.6427



7.6188, 3.0801, 38.6461



0.5051, 0.2093, 2.3331

Inverse Universe

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



56.2207, 53.7205, 67.7301



83.3365, 77.6961, 101.5329



55.2771, 62.4228, 55.5922



12.8885, 12.6069, 15.3530



22.3602, 10.8804, 30.2646



1.3666, 0.6634, 1.9197

Previews

White Background



This preview shows how the XYZ color 50.4288, 50.6901, 69.4136 looks on a white background.

Color Contrast Check

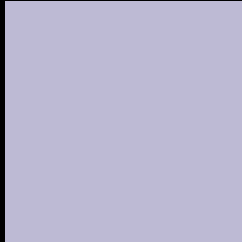
Large Text (above 18pt) WCAG AA × Fail

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 50.4288, 50.6901, 69.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

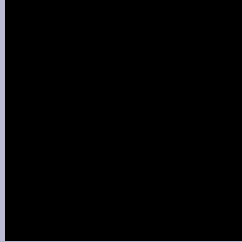
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4288, 50.6901, 69.4136

Background



This preview shows how black text looks on a background with the XYZ color 50.4288, 50.6901, 69.4136.



This preview shows how white text looks on a background with the XYZ color 50.4288, 50.6901,

69.4136.

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

50.4288, 50.6901, 69.4136

Protanopia

49.7881, 50.6590, 70.1048

Deuteranopia

51.7891, 50.7702, 69.3574



Tritanopia

49.1374, 50.7955, 63.0918

Trichromacy



Original Color

50.4288, 50.6901, 69.4136

Protanomaly

50.0303, 50.7838, 70.1162

Deuteranomaly

51.2249, 50.7888, 69.3907

Tritanomaly

49.6499, 50.6882, 65.5595

Monochromacy



Original Color

50.4288, 50.6901, 69.4136

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.6258, 51.4196, 60.7355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4288, 50.6901, 69.4136 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(189, 186, 212)` looks like.

```
.text, #text, p{  
    color:rgb(189, 186, 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(189, 186, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 186, 212) }
```

Border

The CSS property to change the border of an element to XYZ 50.4288, 50.6901, 69.4136 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(189, 186, 212) }
```


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

```
.border{ border-color:rgb(189, 186, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 186, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 186, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 186, 212);  
box-shadow:4px 4px 4px 4px rgb(189, 186,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4288, 50.6901, 69.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 186, 212) }
```

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

```
.background{ background-color: rgb(189,  
186, 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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