

Converting Colors

XYZ(50.3775, 46.3523, 71.4682)

Have a look what the booklet for
XYZ(50.3775, 46.3523, 71.4682)
contains.

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Color

**XYZ(50.4359, 46.4687,
71.2768)**

Conversions

Conversions Part 1

Format	Color
Hex	C6ACD8
RGB	198, 172, 216
RGB Percent	78%, 67%, 85%
CMY	0.2235, 0.3255, 0.1529
CMYK	0.08, 0.20, 0.00, 0.15
HSL	275°, 36%, 76%
HSV	275°, 20%, 85%
XYZ	50.4359, 46.4687, 71.2768
YIQ	184.7900, 1.3720, 19.1960

Conversions

Conversions Part 2

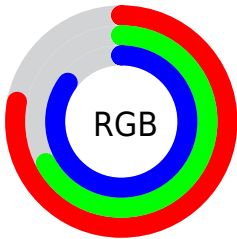
Format	Color
RYB	198, 172, 216
Decimal	13020376
CIELab	73.85, 17.52, -18.75
CIElCh	74, 25.657, 313.061
Yxy	46.4687, 0.2999, 0.2763
Android (android.graphics.Color)	4291210456 (0xFFC6ACD8)
YUV	184.7900, 15.3865, 11.5852
Hunter-Lab	68.1680, 12.7741, -14.2764

Details

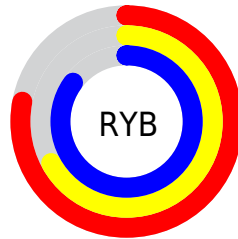
The XYZ color **50.4359, 46.4687, 71.2768** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.2391, 63.0386, 48.3936**, and the grayscale version is **45.9154, 48.3066, 52.6058**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **24.6511, 21.9354, 36.6529** is the 20% darker color. If you saturate the color by 10%, you get **44.3930, 37.7398, 69.9112**, and if you desaturate by 10%, it is **57.2857, 56.6078, 72.8735**.

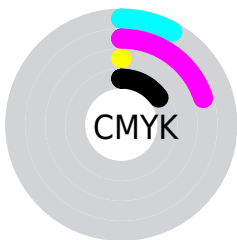
Distribution



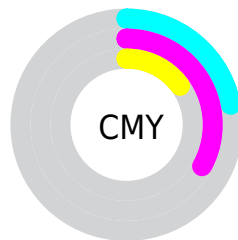
- Red (78%)
- Green (67%)
- Blue (85%)



- Red (78%)
- Yellow (67%)
- Blue (85%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (15%)



- Cyan (22%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4359, 46.4687, 71.2768 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 50.4359, 46.4687, 71.2768 by changing the saturation by 10% instead.

■ 50.4359, 46.4687,
71.2768

■ 50.4359, 46.4687,
71.2768

378.7920,
372.6898, 483.9302

■ 35.9791, 32.6158,
52.0849

■ 90.0084, 84.9200,
122.7259

■ 24.5881, 21.8323,
36.6900

115.8547,
110.2873, 155.8202

■ 15.8975, 13.7337,
24.6737

146.2283,
140.2614, 194.3857

■ 9.5421, 7.9357,
15.6173

181.4944,
175.2269, 238.8409

■ 5.1563, 4.0538,
9.1023

222.0185,
215.5681, 289.6045

■ 2.3750, 1.7037,
4.7103

268.1659,

■ 0.8326, 0.4261,

261.6693, 347.0948

2.0225

320.3020,
313.9151, 411.7305

■ 0.0000, 0.0000,
0.5691

■ 0.0000, 0.0000,
0.0000

■ 50.4359, 46.4687,
71.2768

■ 50.4359, 46.4687,
71.2768

■ 44.3930, 37.7398,
69.9112

■ 57.2857, 56.6078,
72.8735

■ 39.1182, 30.3497,
68.7627

■ 64.9704, 68.2126,
74.7085

■ 34.5757, 24.2292,
67.8208

■ 73.5219, 81.3425,
76.7921

■ 30.7247, 19.3006,
67.0724

■ 81.8730, 93.8603,
78.7681

■ 27.5203, 15.4774,
66.5034

■ 84.8364, 95.3880,
78.9068

■ 24.9109, 12.6607,
66.0972

■ 87.9464, 96.9913,
79.0523

■ 22.8362, 10.7334,
65.8346

■ 89.3948, 97.7379,
79.1201

■ 21.2419, 9.5188,
65.6842

Harmonies

Analogous

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



46.1808, 46.4687, 79.2499



50.4359, 46.4687, 71.2768



53.1079, 46.4687, 58.2801

Triad

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



50.4359, 46.4687, 71.2768



46.7743, 46.4687, 30.1562



36.1560, 46.4687, 56.4934

Complementary

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



50.4359, 46.4687, 71.2768



53.2391, 63.0386, 48.3936

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.



36.2907, 46.4687, 43.6198



50.4359, 46.4687, 71.2768



42.2128, 46.4687, 29.8455

Square

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



50.4359, 46.4687, 71.2768



50.8961, 46.4687, 35.2993



38.4405, 46.4687, 34.3616



38.0590, 46.4687, 69.7760

Rectangle

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



50.4359, 46.4687, 71.2768



53.5255, 46.4687, 49.2657



38.4405, 46.4687, 34.3616



35.9685, 46.4687, 51.9510

Sweetspot

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



50.4373, 46.4707, 71.2778



88.0964, 89.4558, 107.2313



47.8954, 50.7019, 72.2285



18.7001, 18.9119, 22.9147



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.



50.4373, 46.4707, 71.2778



69.9185, 62.5314, 102.9924



54.9985, 48.8762, 69.0442



12.4389, 12.3677, 15.6691



12.6981, 5.6986, 38.8838



0.8587, 0.3916, 2.3496

Inverse Universe

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



52.3672, 47.8237, 55.1881



73.2521, 64.8605, 75.5641



49.3743, 61.0050, 50.0766



12.6318, 12.5042, 14.0011



17.8641, 9.0820, 6.5886



1.1180, 0.5640, 0.6109

Previews

White Background



This preview shows how the XYZ color 50.4359, 46.4687, 71.2768 looks on a white background.

Color Contrast Check

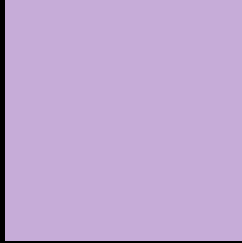
Large Text (above 18pt) WCAG AA × Fail

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 50.4359, 46.4687, 71.2768 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 50.4359, 46.4687, 71.2768

Background



This preview shows how black text looks on a background with the XYZ color 50.4359, 46.4687, 71.2768.



This preview shows how white text looks on a background with the XYZ color 50.4359, 46.4687,

71.2768.

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

50.4359, 46.4687, 71.2768

Protanopia

46.3857, 46.6336, 74.9630

Deuteranopia

47.5163, 46.4179, 70.7451



Tritanopia

47.2645, 46.6313, 55.2248

Trichromacy



Original Color

50.4359, 46.4687, 71.2768

Protanomaly

47.5644, 46.3825, 73.4636

Deuteranomaly

48.3348, 46.2576, 70.6711

Tritanomaly

48.1445, 46.3856, 60.4487

Monochromacy



Original Color

50.4359, 46.4687, 71.2768

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.5203, 47.5752, 58.9029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4359, 46.4687, 71.2768 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(198, 172, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 172, 216)  
}
```

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(198, 172, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 172, 216) }
```

Border

The CSS property to change the border of an element to XYZ 50.4359, 46.4687, 71.2768 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(198, 172, 216) }
```


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

```
.border{ border-color:rgb(198, 172, 216) }
```

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

Here you see how a box with a 4 pixel rgb(198, 172, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 172, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 172, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 172,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4359, 46.4687, 71.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 172, 216) }
```

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

```
.background{ background-color: rgb(198,  
172, 216) }
```

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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