

# Converting Colors

XYZ(50.3697, 46.5387, 59.3587)

Have a look what the booklet for  
XYZ(50.3697, 46.5387, 59.3587)  
contains.

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# Color

**XYZ(50.3731, 46.4224,  
59.1288)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFABC5
RGB	207, 171, 197
RGB Percent	81%, 67%, 77%
CMY	0.1882, 0.3294, 0.2274
CMYK	0.00, 0.17, 0.05, 0.19
HSL	317°, 27%, 74%
HSV	317°, 17%, 81%
XYZ	50.3731, 46.4224, 59.1288
YIQ	184.7280, 13.1100, 15.7180

# Conversions

## Conversions Part 2

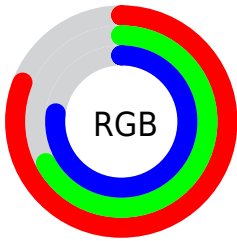
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 171, 197
Decimal	13609925
CIE <sub>Lab</sub>	73.82, 17.48, -8.31
CIE <sub>LCh</sub>	74, 19.354, 334.569
Yxy	46.4224, 0.3231, 0.2977
Android (android.graphics.Color)	4291800005 (0xFFCFABC5)
YUV	184.7280, 6.0501, 19.5325
Hunter-Lab	68.1340, 12.7349, -3.7599

# Details

The XYZ color **50.3731, 46.4224, 59.1288** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4497, 56.6211, 52.1468**, and the grayscale version is **45.9265, 48.3182, 52.6186**.

A 20% lighter version of the original color is **86.3257, 82.8085, 105.1997**, and **24.5036, 21.8522, 28.9130** is the 20% darker color. If you saturate the color by 10%, you get **46.1191, 38.9482, 54.5219**, and if you desaturate by 10%, it is **55.2673, 55.1353, 64.0742**.

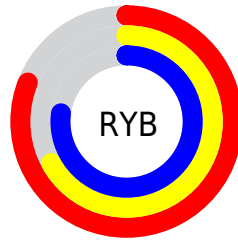
# Distribution



Red (81%)

Green (67%)

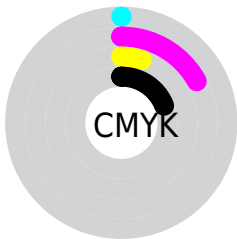
Blue (77%)



Red (81%)

Yellow (67%)

Blue (77%)

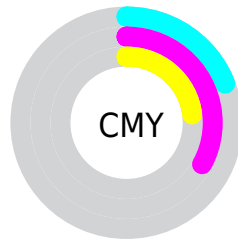


Cyan (0%)

Magenta (17%)

Yellow (5%)

Black (19%)



Cyan (19%)

Magenta (33%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3731, 46.4224, 59.1288 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 50.3731, 46.4224, 59.1288 by changing the saturation by 10% instead.





 50.3731, 46.4224,  
59.1288

 50.3731, 46.4224,  
59.1288


378.5511,  
372.5042, 439.0942

 35.9290, 32.5793,  
42.2961


 89.9160, 84.8508,  
105.0958

 24.5492, 21.8043,  
29.0059


115.7454,  
110.2049, 135.0672

 15.8684, 13.7132,  
18.8397

146.1006,  
140.1647, 170.2553

 9.5214, 7.9215,  
11.3789

181.3470,  
175.1147, 211.0785

 5.1426, 4.0447,  
6.2049

221.8498,  
215.4393, 257.9555

 2.3668, 1.6986,  
2.8993

267.9746,

 0.8285, 0.4228,

261.5228, 311.3047

1.0434

320.0866,  
313.7496, 371.5448

■ 0.0000, 0.0000,  
0.0000

■ 50.3731, 46.4224,  
59.1288

■ 50.3731, 46.4224,  
59.1288

■ 46.1191, 38.9482,  
54.5219

■ 55.2673, 55.1353,  
64.0742

■ 42.4724, 32.6497,  
50.2395

■ 60.8244, 65.1341,  
69.3655

■ 39.4036, 27.4675,  
46.2711

■ 67.0711, 76.4709,  
75.0133

■ 36.8788, 23.3345,  
42.6039

■ 74.0313, 89.1931,  
81.0270

■ 34.8607, 20.1765,  
39.2240

■ 75.1863, 90.2631,  
85.2348

■ 33.3071, 17.9093,  
36.1159

■ 75.9878, 90.5837,  
89.4554

■ 32.1684, 16.4346,  
33.2616

■ 76.8160, 90.9150,  
93.8167

■ 31.3767, 15.6171,  
30.6370

■ 77.6712, 91.2571,  
98.3199

■ 31.1969, 15.4513,  
29.9793

■ 78.5535, 91.6100,  
102.9665

# Harmonies

## Analogous

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



47.9853, 46.4224, 67.8126



50.3731, 46.4224, 59.1288



51.0536, 46.4224, 49.0513

# Triad

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



50.3731, 46.4224, 59.1288



43.5980, 46.4224, 33.9106



38.8954, 46.4224, 62.0798

# Complementary

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



50.3731, 46.4224, 59.1288



47.4497, 56.6211, 52.1468

# 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.



37.8501, 46.4224, 52.0710



50.3731, 46.4224, 59.1288



40.4739, 46.4224, 36.4916

# Square

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



50.3731, 46.4224, 59.1288



47.0261, 46.4224, 35.2900



38.4127, 46.4224, 42.8369



41.3421, 46.4224, 69.6657



# Rectangle

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



50.3731, 46.4224, 59.1288



50.4190, 46.4224, 43.0686



38.4127, 46.4224, 42.8369



38.3744, 46.4224, 58.8426

# Sweetspot

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



50.3745, 46.4244, 59.1298



90.5515, 91.9071, 104.6130



44.7897, 43.4086, 65.0504



19.2512, 19.4377, 22.2650



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.



50.3745, 46.4244, 59.1298



77.9782, 69.5420, 91.8472



48.4739, 45.6642, 49.1215



12.1649, 11.9507, 14.1439



19.6971, 9.7517, 19.1089



1.1341, 0.5583, 1.2408



# Inverse Universe

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



50.3745, 46.4244, 59.1298



77.9782, 69.5420, 91.8472



49.3714, 57.3898, 62.2661



12.1649, 11.9507, 14.1439



19.6971, 9.7517, 19.1089

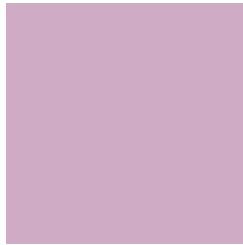


1.1341, 0.5583, 1.2408



# Previews

## White Background



This preview shows how the XYZ color 50.3731, 46.4224, 59.1288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

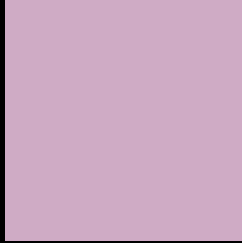
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3731, 46.4224, 59.1288 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 50.3731, 46.4224, 59.1288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3731, 46.4224, 59.1288.



This preview shows how white text looks on a background with the XYZ color 50.3731, 46.4224,



# 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

50.3731, 46.4224, 59.1288

### Protanopia

45.6912, 46.5380, 63.0745

### Deuteranopia

47.4815, 46.3736, 58.6730



## Tritanopia

49.2601, 46.5541, 52.8439

# Trichromacy



## Original Color

50.3731, 46.4224, 59.1288

## Protanomaly

47.2510, 46.4801, 61.7395

## Deuteranomaly

48.3886, 46.2634, 58.6039

## Tritanomaly

49.5004, 46.3446, 55.0516

# Monochromacy



## Original Color

50.3731, 46.4224, 59.1288

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.4989, 47.6541, 54.8388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3731, 46.4224, 59.1288 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(207, 171, 197)` looks like.

```
.text, #text, p{  
    color:rgb(207, 171, 197)  
}
```

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(207, 171, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 171, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3731, 46.4224, 59.1288 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(207, 171, 197) }
```



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

```
.border{ border-color:rgb(207, 171, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 171, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 171, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 171, 197);  
box-shadow:4px 4px 4px 4px rgb(207, 171,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3731, 46.4224, 59.1288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 171, 197) }
```

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

```
.background{ background-color: rgb(207,  
171, 197) }
```

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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