

# Converting Colors

XYZ(52.1981, 48.3561, 65.3727)

Have a look what the booklet for  
XYZ(52.1981, 48.3561, 65.3727)  
contains.

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# Color

**XYZ(52.3246, 48.4303,  
65.6217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFAFCF
RGB	207, 175, 207
RGB Percent	81%, 69%, 81%
CMY	0.1882, 0.3137, 0.1882
CMYK	0.00, 0.15, 0.00, 0.19
HSL	300°, 25%, 75%
HSV	300°, 15%, 81%
XYZ	52.3246, 48.4303, 65.6217
YIQ	188.2160, 8.8000, 16.7360

# Conversions

## Conversions Part 2

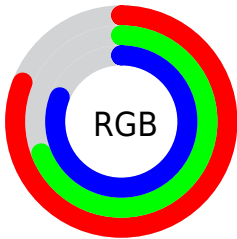
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 175, 207
Decimal	13610959
CIE <sub>Lab</sub>	75.10, 17.13, -11.88
CIE <sub>LCh</sub>	75, 20.848, 325.274
Yxy	48.4303, 0.3145, 0.2911
Android (android.graphics.Color)	4291801039 (0xFFCFAFCF)
YUV	188.2160, 9.2605, 16.4736
Hunter-Lab	69.5919, 12.4244, -7.1932

# Details

The XYZ color **52.3246, 48.4303, 65.6217** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7318, 56.8362, 49.0147**, and the grayscale version is **47.8694, 50.3623, 54.8446**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **25.6582, 22.8944, 33.2037** is the 20% darker color. If you saturate the color by 10%, you get **48.6011, 40.9825, 64.3810**, and if you desaturate by 10%, it is **56.6686, 57.1175, 67.0704**.

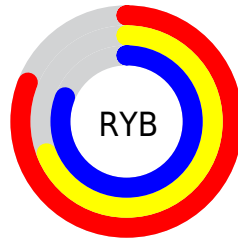
# Distribution



Red (81%)

Green (69%)

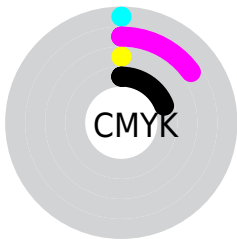
Blue (81%)



Red (81%)

Yellow (69%)

Blue (81%)

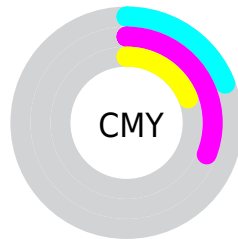


Cyan (0%)

Magenta (15%)

Yellow (0%)

Black (19%)



Cyan (19%)

Magenta (31%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3246, 48.4303, 65.6217 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 52.3246, 48.4303, 65.6217 by changing the saturation by 10% instead.



■ 52.3246, 48.4303,  
65.6217

■ 52.3246, 48.4303,  
65.6217

385.9919,  
380.4952, 463.3900

■ 37.4892, 34.1678,  
47.5108

■ 92.7812, 87.8447,  
114.5650

■ 25.7619, 23.0225,  
33.0824

119.1330,  
113.7654, 146.2345

■ 16.7773, 14.6101,  
21.9180

150.0545,  
144.3410, 183.2607

■ 10.1702, 8.5462,  
13.5989

185.9107,  
179.9558, 226.0621

■ 5.5751, 4.4464,  
7.7067

227.0673,  
220.9942, 275.0571

■ 2.6266, 1.9263,  
3.8228

273.8894,

■ 0.9596, 0.5641,

267.8406, 330.6644

1.5286

326.7425,  
320.8795, 393.3025

■ 0.0000, 0.0000,  
0.2391

■ 0.0000, 0.0000,  
0.0000

■ 52.3246, 48.4303,  
65.6217

■ 52.3246, 48.4303,  
65.6217

■ 48.6011, 40.9825,  
64.3810

■ 56.6686, 57.1175,  
67.0704

■ 45.4656, 34.7117,  
63.3357

■ 61.6550, 67.0902,  
68.7326

■ 42.8895, 29.5595,  
62.4769

■ 67.3099, 78.3999,  
70.6177

■ 40.8399, 25.4603,  
61.7935

■ 72.7553, 89.2907,  
72.4330

39.2805, 22.3414,  
61.2736

72.7553, 89.2907,  
72.4332

38.1703, 20.1211,  
60.9034

72.7553, 89.2907,  
72.4333

37.4619, 18.7044,  
60.6671

72.7554, 89.2907,  
72.4334

37.0970, 17.9747,  
60.5454

72.7554, 89.2908,  
72.4336

36.9950, 17.7706,  
60.5113

72.7554, 89.2908,  
72.4337

# Harmonies

## Analogous

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



49.2335, 48.4303, 74.0916



52.3246, 48.4303, 65.6217



53.7323, 48.4303, 54.4814

# Triad

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



52.3246, 48.4303, 65.6217



46.6383, 48.4303, 34.4512



39.7145, 48.4303, 62.2155

# Complementary

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



52.3246, 48.4303, 65.6217



47.7318, 56.8362, 49.0147

# 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.



39.1041, 48.4303, 51.0212



52.3246, 48.4303, 65.6217



42.9715, 48.4303, 35.9317

# Square

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



52.3246, 48.4303, 65.6217



50.3359, 48.4303, 37.2880



40.2644, 48.4303, 41.6520



41.9798, 48.4303, 71.9424



# Rectangle

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



52.3246, 48.4303, 65.6217



53.4732, 48.4303, 47.3916



40.2644, 48.4303, 41.6520



39.3144, 48.4303, 58.4600

# Sweetspot

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



52.3260, 48.4324, 65.6227



91.1166, 92.1332, 107.5888



44.2738, 44.2813, 65.2461



19.3889, 19.4928, 22.9905



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.



52.3260, 48.4324, 65.6227



81.4939, 72.8879, 104.3809



50.4677, 47.6891, 55.8370



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1242



1.3032, 0.6260, 2.1317



# Inverse Universe

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



52.3260, 48.4324, 65.6227



81.4939, 72.8879, 104.3809



49.3977, 57.5026, 57.7876



12.3109, 12.0091, 14.9128



23.3081, 11.1961, 38.1242

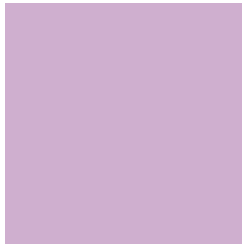


1.3032, 0.6260, 2.1317



# Previews

## White Background



This preview shows how the XYZ color 52.3246, 48.4303, 65.6217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

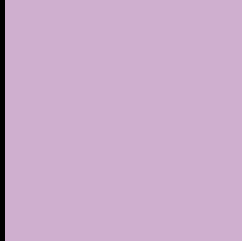
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3246, 48.4303, 65.6217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

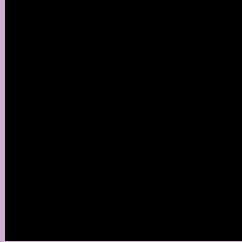
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.3246, 48.4303, 65.6217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.3246, 48.4303, 65.6217.



This preview shows how white text looks on a background with the XYZ color 52.3246, 48.4303,



# 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

52.3246, 48.4303, 65.6217

### Protanopia

47.9731, 48.7884, 69.8394

### Deuteranopia

49.4542, 48.4362, 65.1351



## Tritanopia

50.6117, 48.6257, 56.5873

# Trichromacy



## Original Color

52.3246, 48.4303, 65.6217

## Protanomaly

49.5169, 48.6980, 68.4179

## Deuteranomaly

50.3497, 48.3028, 65.0622

## Tritanomaly

51.2538, 48.5973, 59.5022

# Monochromacy



## Original Color

52.3246, 48.4303, 65.6217

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.2895, 49.4092, 58.5689

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3246, 48.4303, 65.6217 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, 175, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 175, 207)  
}
```

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, 175, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 175, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3246, 48.4303, 65.6217 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, 175, 207) }
```



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

```
.border{ border-color:rgb(207, 175, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 175, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 175, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 175, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 175,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3246, 48.4303, 65.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 175, 207) }
```

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

```
.background{ background-color: rgb(207,  
175, 207) }
```

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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