

# Converting Colors

XYZ(47.1721, 46.0553, 57.4848)

Have a look what the booklet for  
XYZ(47.1721, 46.0553, 57.4848)  
contains.

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# Color

**XYZ(47.0599, 45.8924,  
57.4167)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1AFC2
RGB	193, 175, 194
RGB Percent	76%, 69%, 76%
CMY	0.2431, 0.3137, 0.2392
CMYK	0.01, 0.10, 0.00, 0.24
HSL	297°, 13%, 72%
HSV	297°, 10%, 76%
XYZ	47.0599, 45.8924, 57.4167
YIQ	182.5480, 4.6290, 9.7250

# Conversions

## Conversions Part 2

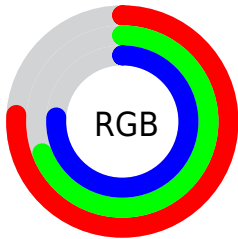
Format	Color
<a href="#">RYB</a>	<a href="#">193, 175, 194</a>
Decimal	<a href="#">12693442</a>
CIELab	<a href="#">73.48, 9.88, -7.31</a>
CIELCh	<a href="#">73, 12.295, 323.507</a>
Yxy	<a href="#">45.8924, 0.3130, 0.3052</a>
Android (android.graphics.Color)	<a href="#">4290883522</a> ( <a href="#">0xFFC1AFC2</a> )
YUV	<a href="#">182.5480, 5.6458, 9.1664</a>
Hunter-Lab	<a href="#">67.7439, 5.4473, -2.8308</a>

# Details

The XYZ color **47.0599, 45.8924, 57.4167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.9357, 50.9100, 48.0179**, and the grayscale version is **44.7318, 47.0613, 51.2498**.

A 20% lighter version of the original color is **84.8982, 84.1937, 102.2189**, and **22.4640, 21.5483, 27.7862** is the 20% darker color. If you saturate the color by 10%, you get **43.2932, 38.7434, 56.2360**, and if you desaturate by 10%, it is **51.3735, 54.1312, 58.7803**.

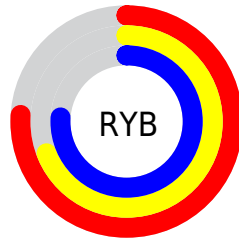
# Distribution



Red (76%)

Green (69%)

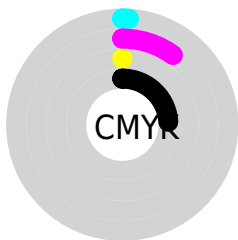
Blue (76%)



Red (76%)

Yellow (69%)

Blue (76%)

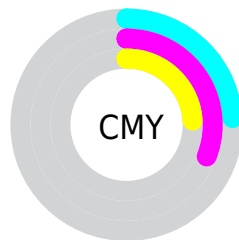


Cyan (1%)

Magenta (10%)

Yellow (0%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0599, 45.8924, 57.4167 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 47.0599, 45.8924, 57.4167 by changing the saturation by 10% instead.



■ 47.0599, 45.8924,  
57.4167

■ 47.0599, 45.8924,  
57.4167

365.6985,  
370.3759, 432.5463

■ 33.2912, 32.1609,  
40.9283

■ 85.0212, 84.0579,  
102.5793

■ 22.5099, 21.4844,  
27.9438

109.9445,  
109.2608, 132.0906

■ 14.3507, 13.4786,  
18.0446

139.3167,  
139.0562, 166.7800

■ 8.4483, 7.7589,  
10.8123

173.5031,  
173.8286, 207.0659

■ 4.4373, 3.9411,  
5.8281

212.8692,  
213.9624, 253.3670

■ 1.9524, 1.6407,  
2.6738

257.7802,

■ 0.6070, 0.3848,

259.8419, 306.1017

0.9302

308.6015,  
311.8516, 365.6886

■ 0.0000, 0.0000,  
0.0000

■ 47.0599, 45.8924,  
57.4167

■ 47.0599, 45.8924,  
57.4167

■ 43.2932, 38.7434,  
56.2360

■ 51.3735, 54.1312,  
58.7803

■ 40.0464, 32.6321,  
55.2275

■ 56.2517, 63.4972,  
60.3310

■ 37.2961, 27.5113,  
54.3841

■ 61.7162, 74.0332,  
62.0766

■ 35.0158, 23.3277,  
53.6967

■ 67.7866, 85.7782,  
64.0237

■ 33.1761, 20.0227,  
53.1558

■ 68.8143, 87.4352,  
64.2894

■ 31.7447, 17.5316,  
52.7504

■ 69.0845, 87.5745,  
64.3020

■ 30.6845, 15.7805,  
52.4683

■ 69.3566, 87.7148,  
64.3148

■ 29.9521, 14.6822,  
52.2949

■ 69.6304, 87.8560,  
64.3276

■ 29.4647, 14.0712,  
52.2026

■ 69.9061, 87.9981,  
64.3405

# Harmonies

## Analogous

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



45.3046, 45.8924, 61.7455



47.0599, 45.8924, 57.4167



47.8971, 45.8924, 51.3322

# Triad

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



47.0599, 45.8924, 57.4167



44.0928, 45.8924, 39.0132



39.9045, 45.8924, 54.8877

# Complementary

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



47.0599, 45.8924, 57.4167



44.9357, 50.9100, 48.0179

# 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.



39.6042, 45.8924, 48.6302



47.0599, 45.8924, 57.4167



41.9764, 45.8924, 39.7941

# Square

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



47.0599, 45.8924, 57.4167



46.1477, 45.8924, 40.9661



40.3507, 45.8924, 43.1949



41.1850, 45.8924, 60.2028



# Rectangle

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



47.0599, 45.8924, 57.4167



47.8028, 45.8924, 47.2300



40.3507, 45.8924, 43.1949



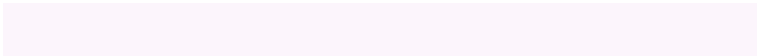
39.6874, 45.8924, 52.8119

# Sweetspot

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



47.0612, 45.8944, 57.4177



90.4207, 92.9920, 105.6534



42.9964, 44.1665, 57.2984



19.6591, 20.0927, 23.0921



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.



47.0612, 45.8944, 57.4177



83.5366, 79.8648, 103.4824



46.4176, 45.6665, 52.6939



10.4432, 10.2197, 12.7070



19.3879, 9.2552, 34.3212



0.8540, 0.4083, 1.4837

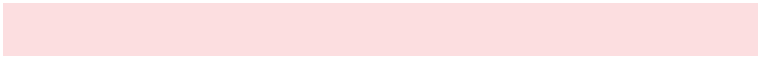


# Inverse Universe

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



45.4161, 45.2659, 47.4199



79.8915, 78.4733, 81.2796



45.5441, 51.1273, 52.3969



10.0942, 10.0863, 10.5866



14.6738, 7.5593, 0.9284

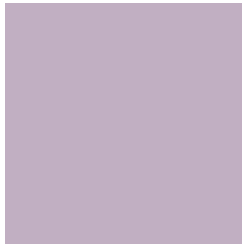


0.6416, 0.3296, 0.0799



# Previews

## White Background



This preview shows how the XYZ color 47.0599, 45.8924, 57.4167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

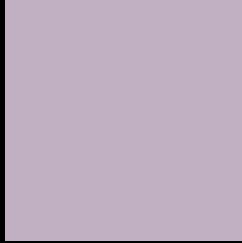
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0599, 45.8924, 57.4167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

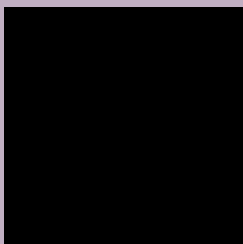
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

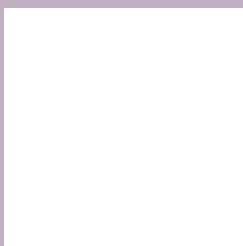
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.0599, 45.8924, 57.4167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0599, 45.8924, 57.4167.



This preview shows how white text looks on a background with the XYZ color 47.0599, 45.8924,



# 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

47.0599, 45.8924, 57.4167

### Protanopia

44.7885, 45.8551, 59.3136

### Deuteranopia

46.8058, 45.7615, 57.4048



## Tritanopia

46.5578, 45.9748, 55.1354

# Trichromacy



## Original Color

47.0599, 45.8924, 57.4167

## Protanomaly

45.6514, 46.0167, 58.7006

## Deuteranomaly

46.8058, 45.7615, 57.4048

## Tritanomaly

46.6675, 46.0187, 55.7131

# Monochromacy



## Original Color

47.0599, 45.8924, 57.4167

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.7844, 46.7952, 53.6330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0599, 45.8924, 57.4167 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(193, 175, 194)` looks like.

```
.text, #text, p{  
    color:rgb(193, 175, 194)  
}
```

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(193, 175, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 175, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0599, 45.8924, 57.4167 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(193, 175, 194) }
```



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

```
.border{ border-color:rgb(193, 175, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 175, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 175, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 175, 194);  
box-shadow:4px 4px 4px 4px rgb(193, 175,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0599, 45.8924, 57.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 175, 194) }
```

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

```
.background{ background-color: rgb(193,  
175, 194) }
```

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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