

# Converting Colors

XYZ(46.4437, 48.2578, 64.8162)

Have a look what the booklet for  
XYZ(46.4437, 48.2578, 64.8162)  
contains.

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# **Color**

**XYZ(46.2914, 48.0359,  
64.5896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B8CD
RGB	177, 184, 205
RGB Percent	69%, 72%, 80%
CMY	0.3059, 0.2784, 0.1961
CMYK	0.14, 0.10, 0.00, 0.20
HSL	225°, 22%, 75%
HSV	225°, 14%, 80%
XYZ	46.2914, 48.0359, 64.5896
YIQ	184.3010, -10.9130, 5.0470

# Conversions

## Conversions Part 2

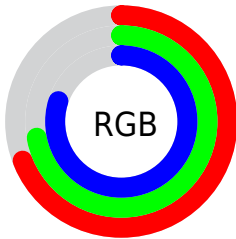
Format	Color
R <sub>Y</sub> B	177, 183, 205
Decimal	11647181
CIE Lab	74.85, 1.81, -11.41
CIE LCh	75, 11.555, 278.993
Yxy	48.0359, 0.2913, 0.3023
Android (android.graphics.Color)	4289837261 (0xFFB1B8CD)
YUV	184.3010, 10.2046, -6.4030
Hunter-Lab	69.3079, -2.0671, -6.7381

# Details

The XYZ color **46.2914, 48.0359, 64.5896** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.3070, 56.5413, 49.6999**, and the grayscale version is **45.6772, 48.0560, 52.3329**.

A 20% lighter version of the original color is **82.8144, 86.8638, 107.0093**, and **22.0144, 22.7521, 32.5095** is the 20% darker color. If you saturate the color by 10%, you get **38.9466, 39.7647, 63.3810**, and if you desaturate by 10%, it is **54.6876, 57.3668, 65.9489**.

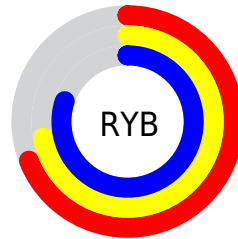
# Distribution



Red (69%)

Green (72%)

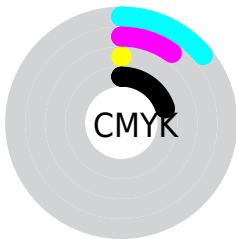
Blue (80%)



Red (69%)

Yellow (72%)

Blue (80%)

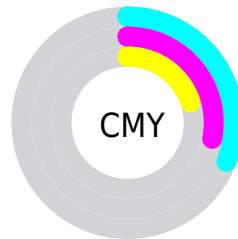


Cyan (14%)

Magenta (10%)

Yellow (0%)

Black (20%)



Cyan (31%)

Magenta (28%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2914, 48.0359, 64.5896 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 46.2914, 48.0359, 64.5896 by changing the saturation by 10% instead.



■ 46.2914, 48.0359,  
64.5896

■ 46.2914, 48.0359,  
64.5896

362.6753,  
378.9344, 459.5815

■ 32.6814, 33.8553,  
46.6791

■ 83.8801, 87.2579,  
113.0672

■ 22.0406, 22.7825,  
32.4296

108.5896,  
113.0680, 144.4715

■ 14.0035, 14.4330,  
21.4223

137.7296,  
143.5235, 181.2108

■ 8.2048, 8.4224,  
13.2388

171.6655,  
179.0087, 223.7037

■ 4.2792, 4.3664,  
7.4605

210.7627,  
219.9080, 272.3686

■ 1.8613, 1.8806,  
3.6690

255.3865,

■ 0.5542, 0.5367,

266.6058, 327.6242

1.4455

305.9022,  
319.4864, 389.8890

■ 0.0000, 0.0000,  
0.1769

■ 0.0000, 0.0000,  
0.0000

■ 46.2914, 48.0359,  
64.5896

■ 46.2914, 48.0359,  
64.5896

■ 38.9466, 39.7647,  
63.3810

■ 54.6876, 57.3668,  
65.9489

■ 32.6067, 32.5092,  
62.3147

■ 64.1706, 67.7876,  
67.4605

■ 27.2279, 26.2306,  
61.3863

■ 74.7797, 79.3346,  
69.1301

■ 22.7615, 20.8858,  
60.5900

■ 85.0626, 91.2739,  
70.8927

■ 19.1545, 16.4279,  
59.9197

■ 88.0196, 97.1878,  
71.8783

■ 16.3478, 12.8058,  
59.3685

■ 14.2744, 9.9625,  
58.9289

■ 12.8553, 7.8329,  
58.5927

■ 12.2152, 6.7990,  
58.4269

# Harmonies

## Analogous

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



44.2230, 48.0359, 63.8705



46.2914, 48.0359, 64.5896



48.2474, 48.0359, 61.8255

# Triad

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



46.2914, 48.0359, 64.5896



48.8707, 48.0359, 45.3521



41.9864, 48.0359, 48.2620

# Complementary

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



46.2914, 48.0359, 64.5896



53.3070, 56.5413, 49.6999

# 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.



43.1604, 48.0359, 43.8121



46.2914, 48.0359, 64.5896



47.1210, 48.0359, 42.2238

# Square

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



46.2914, 48.0359, 64.5896



49.7664, 48.0359, 50.5143



45.0278, 48.0359, 41.6825



41.7797, 48.0359, 54.1333



# Rectangle

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



46.2914, 48.0359, 64.5896



49.2093, 48.0359, 58.4955



45.0278, 48.0359, 41.6825



42.2793, 48.0359, 46.5636

# Sweetspot

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



46.2928, 48.0379, 64.5907



89.0046, 93.3329, 107.9317



50.1029, 57.0663, 61.5193



18.8143, 19.7157, 23.0638



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.



46.2928, 48.0379, 64.5907



72.6043, 75.0748, 105.2720



46.3980, 45.9859, 64.1890



10.8259, 11.2923, 14.1794



7.6687, 4.3614, 36.3939



0.4577, 0.3492, 1.8982



# Inverse Universe

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



49.5518, 47.8852, 51.9808



78.8466, 74.8582, 81.1018



53.1798, 58.9070, 50.1633



11.3255, 11.2589, 12.2487



16.0817, 8.2433, 2.8830

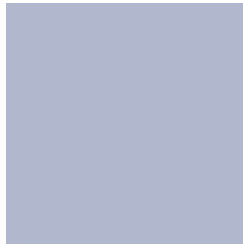


0.8610, 0.4378, 0.3138



# Previews

## White Background



This preview shows how the XYZ color 46.2914, 48.0359, 64.5896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

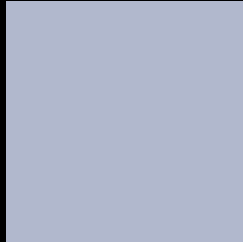
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.2914, 48.0359, 64.5896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

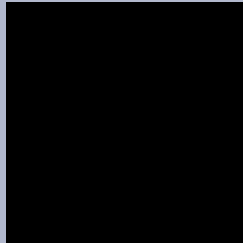
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.2914, 48.0359, 64.5896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.2914, 48.0359, 64.5896.



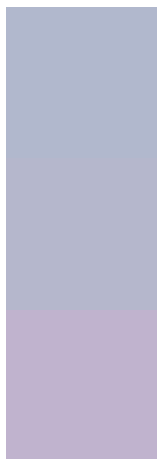
This preview shows how white text looks on a background with the XYZ color 46.2914, 48.0359,



# 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

46.2914, 48.0359, 64.5896

### Protanopia

46.8886, 48.0504, 63.9301

### Deuteranopia

48.9989, 47.9029, 65.0562



## Tritanopia

45.6788, 48.0982, 61.5199

# Trichromacy



## Original Color

46.2914, 48.0359, 64.5896

## Protanomaly

46.6550, 47.9299, 63.9192

## Deuteranomaly

48.1580, 48.0688, 65.1325

## Tritanomaly

45.9141, 48.1923, 62.7592

# Monochromacy



## Original Color

46.2914, 48.0359, 64.5896

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.7110, 47.9105, 56.7076

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.2914, 48.0359, 64.5896 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(177, 184, 205)` looks like.

```
.text, #text, p{  
    color:rgb(177, 184, 205)  
}
```

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(177, 184, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 184, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 46.2914, 48.0359, 64.5896 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".

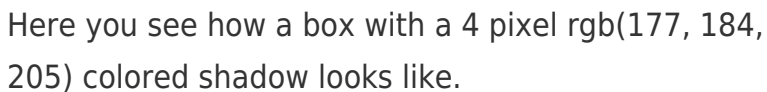
```
.border, #border, table{ border:4px solid rgb(177, 184, 205) }
```



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

```
.border{ border-color:rgb(177, 184, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 184, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 184, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 184, 205);  
box-shadow:4px 4px 4px 4px rgb(177, 184,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.2914, 48.0359, 64.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 184, 205) }
```

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

```
.background{ background-color: rgb(177,  
184, 205) }
```

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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