

# Converting Colors

XYZ(44.7600, 46.8952, 67.7971)

Have a look what the booklet for  
XYZ(44.7600, 46.8952, 67.7971)  
contains.

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# Color

**XYZ(44.7148, 46.8449,  
67.6580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8B7D2
RGB	168, 183, 210
RGB Percent	66%, 72%, 82%
CMY	0.3412, 0.2823, 0.1765
CMYK	0.20, 0.13, 0.00, 0.18
HSL	219°, 32%, 74%
HSV	219°, 20%, 82%
XYZ	44.7148, 46.8449, 67.6580
YIQ	181.5930, -17.6070, 5.2170

# Conversions

## Conversions Part 2

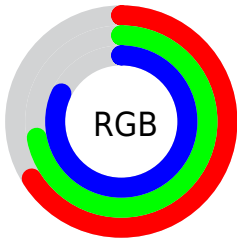
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 179, 210
Decimal	11057106
CIELab	74.09, 0.55, -15.34
CIELCh	74, 15.349, 272.061
Yxy	46.8449, 0.2808, 0.2942
Android (android.graphics.Color)	4289247186 (0xFFA8B7D2)
YUV	181.5930, 14.0047, -11.9211
Hunter-Lab	68.4433, -3.1598, -10.6994

# Details

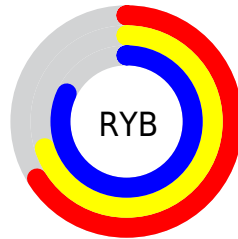
The XYZ color **44.7148, 46.8449, 67.6580** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **53.1619, 55.5592, 44.9691**, and the grayscale version is **44.1765, 46.4772, 50.6136**.

A 20% lighter version of the original color is **79.6570, 84.8003, 106.7775**, and **20.9693, 21.9767, 34.1471** is the 20% darker color. If you saturate the color by 10%, you get **37.9481, 39.4205, 66.5824**, and if you desaturate by 10%, it is **52.4735, 55.1795, 68.8586**.

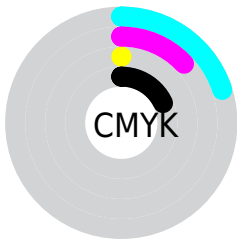
# Distribution



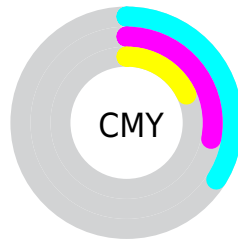
- Red (66%)
- Green (72%)
- Blue (82%)



- Red (66%)
- Yellow (70%)
- Blue (82%)



- Cyan (20%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)



- Cyan (34%)
- Magenta (28%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7148, 46.8449, 67.6580 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 44.7148, 46.8449, 67.6580 by changing the saturation by 10% instead.



■ 44.7148, 46.8449,  
67.6580

■ 44.7148, 46.8449,  
67.6580

356.4204,  
374.1951, 470.8485

■ 31.4332, 32.9131,  
49.1546

■ 81.5320, 85.4821,  
117.5123

■ 21.0824, 22.0599,  
34.3757

■ 105.7982,  
110.9562, 149.7004

■ 13.2970, 13.9009,  
22.9027

134.4567,  
141.0465, 187.2870

■ 7.7118, 8.0518,  
14.3170

167.8728,  
176.1374, 230.6908

■ 3.9613, 4.1281,  
8.2002

206.4119,  
216.6134, 280.3303

■ 1.6803, 1.7455,  
4.1337

250.4393,

■ 0.4439, 0.4528,

262.8587, 336.6241

1.6990

300.3203,  
315.2578, 399.9906

■ 0.0000, 0.0000,  
0.3600

■ 0.0000, 0.0000,  
0.0000

■ 44.7148, 46.8449,  
67.6580

■ 44.7148, 46.8449,  
67.6580

■ 37.9481, 39.4205,  
66.5824

■ 52.4735, 55.1795,  
68.8586

■ 32.1269, 32.8677,  
65.6244

■ 61.2592, 64.4495,  
70.1848

■ 27.2074, 27.1535,  
64.7807

■ 71.1107, 74.6863,  
71.6415

■ 23.1405, 22.2404,  
64.0467

■ 82.0633, 85.9179,  
73.2321

■ 19.8718, 18.0876,  
63.4174

■ 87.2141, 94.5954,  
74.6356

■ 17.3401, 14.6499,  
62.8873

■ 88.6330, 97.4332,  
75.1085

■ 15.4740, 11.8760,  
62.4502

■ 14.1498, 9.6867,  
62.0975

■ 14.1497, 9.6866,  
62.0974

# Harmonies

## Analogous

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



42.0965, 46.8449, 65.5642



44.7148, 46.8449, 67.6580



47.3864, 46.8449, 64.9235

# Triad

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



44.7148, 46.8449, 67.6580



49.1506, 46.8449, 43.3936



40.0214, 46.8449, 44.2447

# Complementary

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



44.7148, 46.8449, 67.6580



53.1619, 55.5592, 44.9691

# 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.



41.7805, 46.8449, 39.2350



44.7148, 46.8449, 67.6580



47.0444, 46.8449, 38.7803

# Square

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



44.7148, 46.8449, 67.6580



50.0120, 46.8449, 50.4643



44.3351, 46.8449, 37.3386



39.4542, 46.8449, 51.5518



# Rectangle

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



44.7148, 46.8449, 67.6580



48.8196, 46.8449, 60.8787



44.3351, 46.8449, 37.3386



40.4893, 46.8449, 42.2631

# Sweetspot

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



44.7162, 46.8468, 67.6591



86.5857, 91.0974, 107.6278



49.0012, 58.3410, 60.0722



18.3434, 19.2982, 23.0081



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.



44.7162, 46.8468, 67.6591



64.7156, 67.6004, 104.2450



43.0032, 41.6124, 66.7390



11.5043, 12.0989, 14.9726



8.7177, 6.0820, 37.9070



0.5616, 0.4884, 2.1442



# Inverse Universe

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



49.1294, 45.1270, 50.9228



72.8380, 64.6949, 73.3837



55.1270, 61.8152, 46.0730



11.9807, 11.8770, 13.1741



17.0310, 8.6853, 5.0696

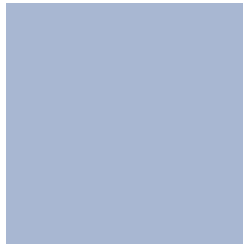


0.9897, 0.5006, 0.4806



# Previews

## White Background



This preview shows how the XYZ color 44.7148, 46.8449, 67.6580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

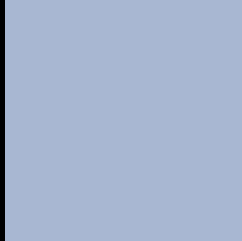
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7148, 46.8449, 67.6580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

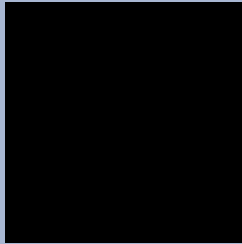
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.7148, 46.8449, 67.6580**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7148, 46.8449, 67.6580.



This preview shows how white text looks on a background with the XYZ color 44.7148, 46.8449,



# 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

44.7148, 46.8449, 67.6580

### Protanopia

45.8379, 46.5437, 66.2424

### Deuteranopia

47.7297, 46.5865, 68.1045



## Tritanopia

43.3836, 46.9284, 60.8044

# Trichromacy



## Original Color

44.7148, 46.8449, 67.6580

## Protanomaly

45.4881, 46.6499, 66.9284

## Deuteranomaly

46.4684, 46.5271, 68.1595

## Tritanomaly

43.8563, 46.8083, 63.2233

# Monochromacy



## Original Color

44.7148, 46.8449, 67.6580

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.3738, 46.6088, 56.5268

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7148, 46.8449, 67.6580 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(168, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(168, 183, 210)  
}
```

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(168, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 183, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7148, 46.8449, 67.6580 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".

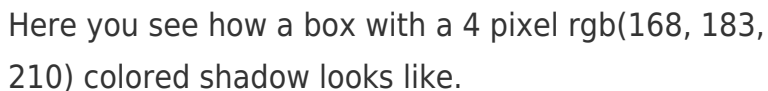
```
.border, #border, table{ border:4px solid rgb(168, 183, 210) }
```



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

```
.border{ border-color:rgb(168, 183, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 183, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 183, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 183, 210); box-shadow:4px 4px 4px 4px rgb(168, 183, 210) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7148, 46.8449, 67.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 183, 210) }
```

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

```
.background{ background-color: rgb(168,  
183, 210) }
```

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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