

# Converting Colors

XYZ(43.7699, 48.1221, 58.6113)

Have a look what the booklet for  
XYZ(43.7699, 48.1221, 58.6113)  
contains.

<b>XYZ(43.7699, 48.1221, 58.6113)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(43.7699, 48.1221,  
58.6113)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7BCC3
RGB	167, 188, 195
RGB Percent	65%, 74%, 76%
CMY	0.3451, 0.2627, 0.2353
CMYK	0.14, 0.04, 0.00, 0.24
HSL	195°, 19%, 71%
HSV	195°, 14%, 76%
XYZ	43.7699, 48.1221, 58.6113
YIQ	182.5190, -14.7630, -2.2750

# Conversions

## Conversions Part 2

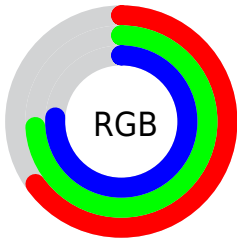
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 179, 195
Decimal	10992835
CIELab	74.90, -5.70, -5.97
CIELCh	75, 8.254, 226.286
Yxy	48.1221, 0.2908, 0.3197
Android (android.graphics.Color)	4289182915 (0xFFA7BCC3)
YUV	182.5190, 6.1531, -13.6102
Hunter-Lab	69.3701, -8.7709, -1.5355

# Details

The XYZ color **43.7699, 48.1221, 58.6113** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.6170, 44.6640, 42.8295**, and the grayscale version is **44.7208, 47.0498, 51.2372**.

A 20% lighter version of the original color is **80.0456, 87.2592, 104.7193**, and **20.5419, 22.8959, 28.5360** is the 20% darker color. If you saturate the color by 10%, you get **38.9338, 44.1108, 58.0927**, and if you desaturate by 10%, it is **49.2652, 52.5279, 59.1728**.

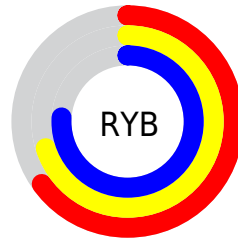
# Distribution



Red (65%)

Green (74%)

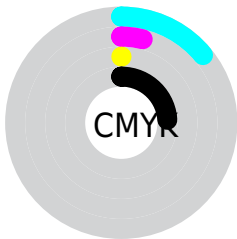
Blue (76%)



Red (65%)

Yellow (70%)

Blue (76%)

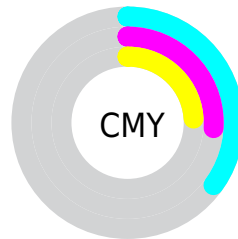


Cyan (14%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (35%)

Magenta (26%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7699, 48.1221, 58.6113 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 43.7699, 48.1221, 58.6113 by changing the saturation by 10% instead.





 43.7699, 48.1221,  
58.6113


 43.7699, 48.1221,  
58.6113

352.6366,  
379.2759, 437.1216

 30.6868, 33.9236,  
41.8823


 80.1199, 87.3862,  
104.3361

 20.5111, 22.8349,  
28.6843


 104.1175,  
113.2205, 134.1690

 12.8775, 14.4716,  
18.5986


132.4839,  
143.7023, 169.2069

 7.4207, 8.4494,  
11.2067

165.5846,  
179.2158, 209.8685

 3.7752, 4.3839,  
6.0901

203.7848,  
220.1456, 256.5722

 1.5758, 1.8905,  
2.8303

247.4500,

 0.3765, 0.5427,

266.8759, 309.7366

1.0086

296.9455,  
319.7912, 369.7802

■ 0.0000, 0.0000,  
0.0000

■ 43.7699, 48.1221,  
58.6113

■ 43.7699, 48.1221,  
58.6113

■ 38.9338, 44.1108,  
58.0927

■ 49.2652, 52.5279,  
59.1728

■ 34.7246, 40.4731,  
57.6124

■ 55.4417, 57.3364,  
59.7754

■ 31.1135, 37.1949,  
57.1700

■ 62.3257, 62.5628,  
60.4214

■ 28.0677, 34.2588,  
56.7638

■ 69.9407, 68.2197,  
61.1119

■ 25.5513, 31.6456,  
56.3920

■ 74.7264, 72.4721,  
61.6805

■ 23.5238, 29.3341,  
56.0527

■ 75.9659, 74.9511,  
62.0937

■ 21.9385, 27.2996,  
55.7436

■ 77.2425, 77.5042,  
62.5192

■ 20.7390, 25.5125,  
55.4618

■ 78.5565, 80.1322,  
62.9572

■ 20.1711, 24.5815,  
55.3121

■ 79.9082, 82.8356,  
63.4078

# Harmonies

## Analogous

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



43.0196, 48.1221, 54.7528



43.7699, 48.1221, 58.6113



45.0567, 48.1221, 60.8580

# Triad

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



43.7699, 48.1221, 58.6113



48.6048, 48.1221, 54.3841



44.9328, 48.1221, 44.8452

# Complementary

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



43.7699, 48.1221, 58.6113



44.6170, 44.6640, 42.8295

# 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.



46.4274, 48.1221, 44.7586



43.7699, 48.1221, 58.6113



48.5698, 48.1221, 50.1093

# Square

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



43.7699, 48.1221, 58.6113



47.8600, 48.1221, 58.3287



47.7655, 48.1221, 46.6379



43.6809, 48.1221, 46.8814



# Rectangle

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



43.7699, 48.1221, 58.6113



46.0558, 48.1221, 61.0641



47.7655, 48.1221, 46.6379



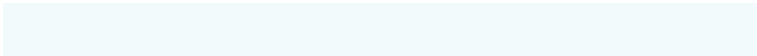
45.4228, 48.1221, 44.5911

# Sweetspot

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



43.7713, 48.1241, 58.6124



88.5438, 94.3220, 106.0090



43.0468, 50.2843, 47.2442



19.2151, 20.5173, 23.1974



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

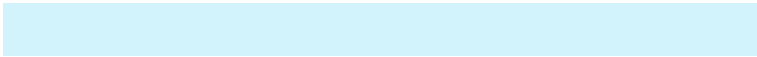


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.7713, 48.1241, 58.6124



75.7582, 84.0309, 104.6965



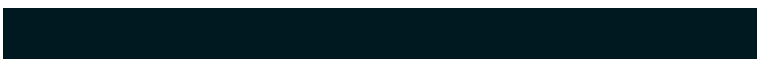
41.0139, 42.6092, 57.6932



10.1485, 10.9883, 12.8709



13.1794, 16.1153, 35.9726



0.6214, 0.8002, 1.5716



# Inverse Universe

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



45.4026, 42.8714, 53.4613



79.2254, 73.0370, 93.7101



47.3652, 50.1603, 43.7456



10.3863, 10.2031, 12.1246



18.0483, 8.9091, 18.6984



0.8060, 0.3954, 0.9460



# Previews

## White Background



This preview shows how the XYZ color 43.7699, 48.1221, 58.6113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

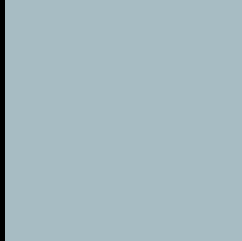
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.7699, 48.1221, 58.6113 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

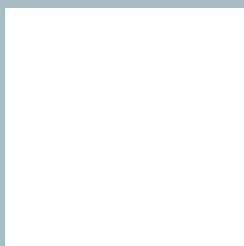
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.7699, 48.1221, 58.6113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.7699, 48.1221, 58.6113.



This preview shows how white text looks on a background with the XYZ color 43.7699, 48.1221,



# 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

43.7699, 48.1221, 58.6113

### Protanopia

46.4555, 47.9870, 56.6831

### Deuteranopia

48.9631, 48.0072, 59.5090



## Tritanopia

44.5794, 48.1297, 62.8175

# Trichromacy



## Original Color

43.7699, 48.1221, 58.6113

## Protanomaly

45.3347, 48.0132, 57.3301

## Deuteranomaly

46.6993, 47.7557, 58.9810

## Tritanomaly

44.2276, 47.9890, 60.9646

# Monochromacy



## Original Color

43.7699, 48.1221, 58.6113

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

44.4501, 47.6329, 53.8650

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.7699, 48.1221, 58.6113 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(167, 188, 195)` looks like.

```
.text, #text, p{  
    color:rgb(167, 188, 195)  
}
```

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(167, 188, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 188, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 43.7699, 48.1221, 58.6113 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(167, 188, 195) }
```



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

```
.border{ border-color:rgb(167, 188, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 188, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 188, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 188, 195);  
box-shadow:4px 4px 4px 4px rgb(167, 188,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.7699, 48.1221, 58.6113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 188, 195) }
```

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

```
.background{ background-color: rgb(167,  
188, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor