

# Converting Colors

XYZ(47.9424, 49.7593, 57.9816)

Have a look what the booklet for  
XYZ(47.9424, 49.7593, 57.9816)  
contains.

**XYZ(47.7900, 49.5776, 58.0896) ..... 3**

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# Color

**XYZ(47.7900, 49.5776,  
58.0896)**

# Conversions

Conversions Part 1	
Format	Color
Hex	BBBAC2
RGB	187, 186, 194
RGB Percent	73%, 73%, 76%
CMY	0.2667, 0.2706, 0.2392
CMYK	0.04, 0.04, 0.00, 0.24
HSL	247°, 6%, 75%
HSV	247°, 4%, 76%
XYZ	47.7900, 49.5776, 58.0896
YIQ	187.2110, -1.9720, 2.7000

# Conversions

## Conversions Part 2

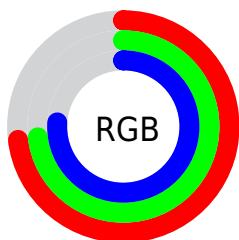
Format	Color
<a href="#">RYB</a>	<a href="#">187, 186, 194</a>
Decimal	<a href="#">12303042</a>
CIELab	<a href="#">75.81, 1.86, -3.92</a>
CIELCh	<a href="#">76, 4.337, 295.411</a>
Yxy	<a href="#">49.5776, 0.3074, 0.3189</a>
Android (android.graphics.Color)	<a href="#">4290493122</a> <a href="#">(0xFFBBBAC2)</a>
YUV	<a href="#">187.2110, 3.3470, -0.1850</a>
Hunter-Lab	<a href="#">70.4114, -2.0674, 0.3735</a>

# Details

The XYZ color **47.7900, 49.5776, 58.0896** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.1489, 53.4675, 54.1339**, and the grayscale version is **47.3368, 49.8020, 54.2344**.

A 20% lighter version of the original color is **85.9696, 89.4611, 103.1791**, and **22.9527, 23.7368, 28.1829** is the 20% darker color. If you saturate the color by 10%, you get **40.0659, 39.9360, 56.6364**, and if you desaturate by 10%, it is **56.5631, 60.5865, 59.7529**.

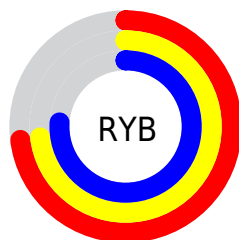
# Distribution



Red (73%)

Green (73%)

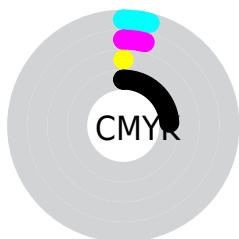
Blue (76%)



Red (73%)

Yellow (73%)

Blue (76%)

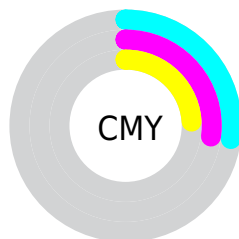


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (24%)



Cyan (27%)


Magenta (27%)


Yellow (24%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7900, 49.5776, 58.0896 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 47.7900, 49.5776, 58.0896 by changing the saturation by 10% instead.


 47.7900, 49.5776,  
58.0896

 47.7900, 49.5776,  
58.0896


368.5556,  
385.0118, 435.1273

 33.8712, 35.0779,  
41.4655


 86.1032, 89.5487,  
103.5694

 22.9571, 23.7229,  
28.3606


111.2284,  
115.7889, 133.2622

 14.6823, 15.1282,  
18.3562


140.8196,  
146.7114, 168.1483

 8.6816, 8.9094,  
11.0340

175.2424,  
182.7005, 208.6462

 4.5895, 4.6821,  
5.9752

214.8620,  
224.1408, 255.1745

 2.0408, 2.0620,  
2.7615


260.0439,


 0.6567, 0.6431,


271.4164, 308.1518


0.9742


311.1533,  
324.9120, 367.9965


 0.0000, 0.0000,  
0.0000


 47.7900, 49.5776,  
58.0896


 47.7900, 49.5776,  
58.0896


 40.0659, 39.9360,  
56.6364


 56.5631, 60.5865,  
59.7529


 33.3474, 31.6021,  
55.3819


 66.4181, 73.0065,  
61.6308


 27.5940, 24.5214,  
54.3185

 77.3917, 86.8875,  
63.7317

 22.7611, 18.6329,  
53.4366

 86.7109, 96.6613,  
65.1271

 18.8006, 13.8708,  
52.7261

 86.7378, 96.6751,  
65.1283

■ 15.6598, 10.1626,  
52.1759

■ 13.2801, 7.4274,  
51.7734

■ 11.5954, 5.5725,  
51.5042

■ 10.5274, 4.4868,  
51.3509

# Harmonies

## Analogous

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



46.9982, 49.5776, 58.5266



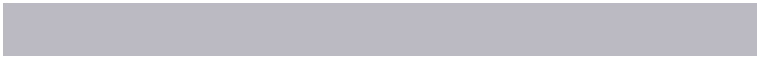
47.7900, 49.5776, 58.0896



48.4091, 49.5776, 56.5400

# Triad

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



47.7900, 49.5776, 58.0896



48.0071, 49.5776, 50.4104



45.5944, 49.5776, 53.6273

# Complementary

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



47.7900, 49.5776, 58.0896



50.1489, 53.4675, 54.1339

# 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.



45.8580, 49.5776, 51.5016



47.7900, 49.5776, 58.0896



47.2461, 49.5776, 49.6782

# Square

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



47.7900, 49.5776, 58.0896



48.5354, 49.5776, 52.0998



46.4603, 49.5776, 50.0719



45.7363, 49.5776, 55.9081

# Rectangle

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



47.7900, 49.5776, 58.0896



48.6374, 49.5776, 55.1070



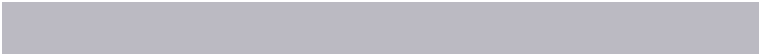
46.4603, 49.5776, 50.0719



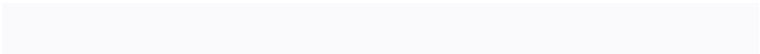
45.6384, 49.5776, 52.8716

# Sweetspot

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



47.7914, 49.5797, 58.0907



91.3151, 95.7502, 106.1386



49.0736, 52.5049, 58.5877



20.0140, 20.9896, 23.2465



0.0000, 0.0000, 0.0000

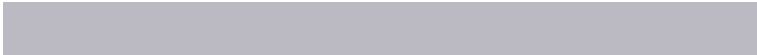


20.3446, 21.4041, 23.3091



# Same Dimension

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



47.7914, 49.5797, 58.0907



85.1642, 88.0470, 104.9759



48.7673, 50.0828, 58.1364



10.2962, 10.6237, 12.7927



6.6913, 2.7099, 33.7270



0.3284, 0.1373, 1.4591



# Inverse Universe

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



49.4344, 50.4396, 57.5849



88.8105, 89.9555, 103.8469



49.1591, 52.9573, 54.0876



10.7870, 10.8805, 12.6403



19.4071, 9.4526, 25.8534

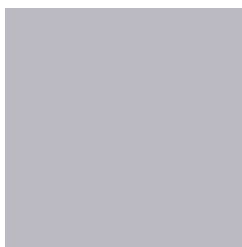


0.8540, 0.4146, 1.1985



# Previews

## White Background



This preview shows how the XYZ color 47.7900, 49.5776, 58.0896 looks on a white background.

## Color Contrast Check

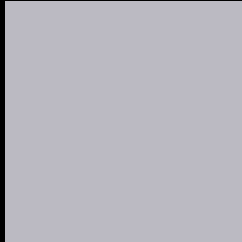
Large Text (above 18pt) WCAG AA × Fail

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 47.7900, 49.5776, 58.0896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

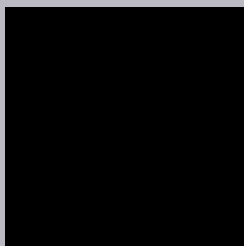
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

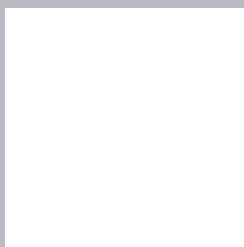
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.7900, 49.5776, 58.0896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7900, 49.5776, 58.0896.



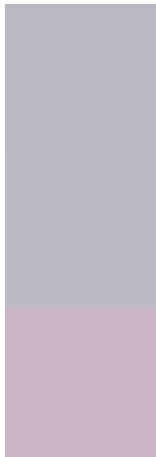
This preview shows how white text looks on a background with the XYZ color 47.7900, 49.5776,



# 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

47.7900, 49.5776, 58.0896

### Protanopia

48.0355, 49.7042, 58.1011

### Deuteranopia

50.4616, 49.4054, 58.5063



## Tritanopia

48.5133, 49.5594, 61.6526

# Trichromacy



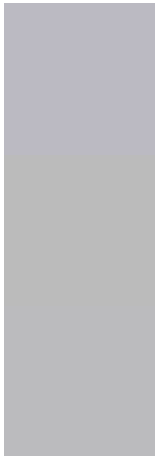
**Original Color**  
47.7900, 49.5776, 58.0896

**Protanomaly**  
48.0355, 49.7042, 58.1011

**Deuteranomaly**  
49.5488, 49.5429, 58.5810

**Tritanomaly**  
48.2810, 49.4665, 60.4294

# Monochromacy



**Original Color**  
47.7900, 49.5776, 58.0896

**Achromatopsia**  
47.2335, 49.6933, 54.1160

**Achromatomaly**  
47.5581, 49.8231, 55.8254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7900, 49.5776, 58.0896 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(187, 186, 194) looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 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(187, 186, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7900, 49.5776, 58.0896 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(187, 186, 194) }
```

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

```
.border{ border-color:rgb(187, 186, 194) }
```

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

Here you see how a box with a 4 pixel rgb(187, 186, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7900, 49.5776, 58.0896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 194) }
```

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

```
.background{ background-color: rgb(187,  
186, 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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