

# Converting Colors

XYZ(30.9709, 46.1812, 58.9113)

Have a look what the booklet for  
XYZ(30.9709, 46.1812, 58.9113)  
contains.

<b>XYZ(30.9709, 46.1812, 58.9113)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(30.9709, 46.1812,  
58.9113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CAC3
RGB	0, 202, 195
RGB Percent	0%, 79%, 76%
CMY	0.9998, 0.2078, 0.2353
CMYK	1.00, 0.00, 0.03, 0.21
HSL	178°, 100%, 40%
HSV	178°, 100%, 79%
XYZ	30.9709, 46.1812, 58.9113
YIQ	140.8040, -118.1450, -45.0010

# Conversions

## Conversions Part 2

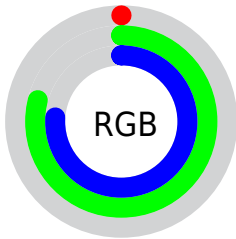
Format	Color
<a href="#">RYB</a>	<a href="#">0, 103, 202</a>
Decimal	<a href="#">51907</a>
CIELab	<a href="#">73.66, -42.41, -8.38</a>
CIELCh	<a href="#">74, 43.232, 191.176</a>
Yxy	<a href="#">46.1812, 0.2276, 0.3394</a>
Android (android.graphics.Color)	<a href="#">4278241987</a> ( <a href="#">0xFF00CAC3</a> )
YUV	<a href="#">140.8040, 26.7186, -123.4851</a>
Hunter-Lab	<a href="#">67.9568, -37.5740, -3.8284</a>

# Details

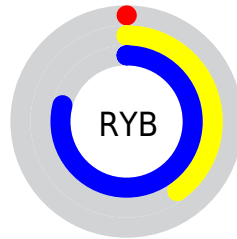
The XYZ color **30.9709, 46.1812, 58.9113** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.3970, 12.5734, 1.3434**, and the grayscale version is **25.1784, 26.4896, 28.8472**.

A 20% lighter version of the original color is **58.9983, 81.4883, 103.8861**, and **15.2414, 22.7905, 28.7950** is the 20% darker color. If you saturate the color by 10%, you get **30.9715, 46.1826, 58.9114**, and if you desaturate by 10%, it is **31.3446, 46.3657, 59.3442**.

# Distribution



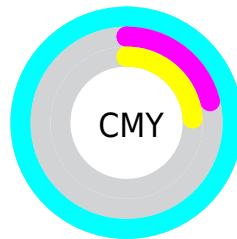
- Red (0%)
- Green (79%)
- Blue (76%)



- Red (0%)
- Yellow (40%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9709, 46.1812, 58.9113 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 30.9709, 46.1812, 58.9113 by changing the saturation by 10% instead.




 30.9709, 46.1812,  
58.9113


 30.9709, 46.1812,  
58.9113


298.2335,  
371.5367, 438.2659


 20.7284, 32.3888,  
42.1222


 60.5704, 84.4901,  
104.7766


 13.0370, 21.6587,  
28.8707


 80.6581, 109.7755,  
134.6898


 7.5312, 13.6063,  
18.7383


 104.7583,  
139.6606, 169.8149

 3.8457, 7.8474,  
11.3064

 133.2363,  
174.5299, 210.5703

 1.6152, 3.9974,  
6.1566

 166.4575,  
214.7677, 257.3745

 0.4023, 1.6721,  
2.8702

204.7872,

 0.0000, 0.4055,

260.7585, 310.6461

1.0287

248.5907,  
312.8867, 370.8038

■ 0.0000, 0.0000,  
0.0000

■ 30.9709, 46.1812,  
58.9113

■ 30.9709, 46.1812,  
58.9113

■ 30.9715, 46.1826,  
58.9114

■ 31.3446, 46.3657,  
59.3442

■ 32.0234, 46.7064,  
59.7922

■ 33.1138, 47.2593,  
60.2615

■ 34.6717, 48.0531,  
60.7546

■ 36.7445, 49.1123,  
61.2738

■ 39.3735, 50.4583,  
61.8209

■ 42.5961, 52.1101,  
62.3977

■ 46.4462, 54.0854,  
63.0059

■ 50.9552, 56.4004,  
63.6469

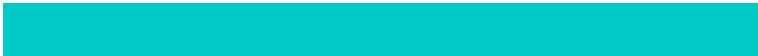
# Harmonies

## Analogous

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



31.3757, 46.1812, 37.8630



30.9709, 46.1812, 58.9113



33.7139, 46.1812, 83.4851

# Triad

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



30.9709, 46.1812, 58.9113



54.3235, 46.1812, 89.1892



48.8203, 46.1812, 19.9906

# Complementary

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



30.9709, 46.1812, 58.9113



24.3970, 12.5734, 1.3434

# 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.



55.9408, 46.1812, 27.3092



30.9709, 46.1812, 58.9113



59.3644, 46.1812, 65.1605

# Square

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



30.9709, 46.1812, 58.9113



46.8112, 46.1812, 104.0620



59.9885, 46.1812, 42.5421



41.1003, 46.1812, 19.2135



# Rectangle

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



30.9709, 46.1812, 58.9113



37.1683, 46.1812, 97.0375



59.9885, 46.1812, 42.5421



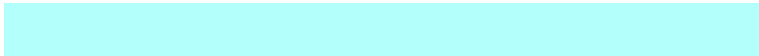
51.3854, 46.1812, 21.6399

# Sweetspot

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



30.9723, 46.1829, 58.9124



71.8609, 88.0946, 105.6013



21.2484, 42.3080, 7.0477



14.8591, 18.5882, 22.5125



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.



30.9723, 46.1829, 58.9124



52.4191, 78.1836, 99.6455



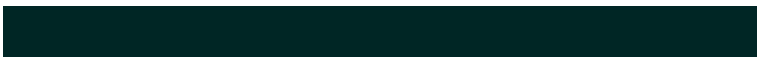
16.3594, 15.6603, 58.0394



11.5258, 12.7201, 14.3264



19.9363, 29.7198, 37.9452



1.0339, 1.5354, 1.9859



# Inverse Universe

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



24.3970, 12.5734, 1.3434



41.2884, 21.2794, 2.1850



28.0930, 20.0267, 2.3862



11.2278, 11.2199, 11.7343



15.7050, 8.0926, 0.8993

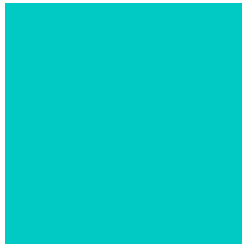


0.8158, 0.4197, 0.0761



# Previews

## White Background



This preview shows how the XYZ color 30.9709, 46.1812, 58.9113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

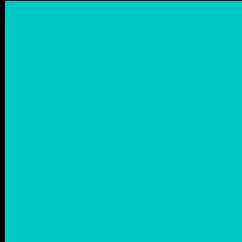
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.9709, 46.1812, 58.9113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

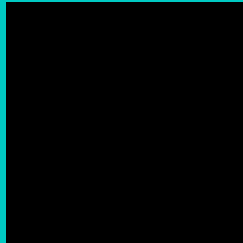
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

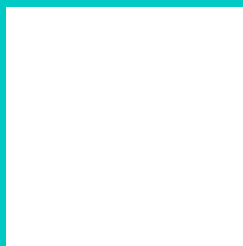
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.9709, 46.1812, 58.9113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9709, 46.1812, 58.9113.



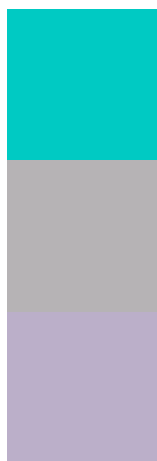
This preview shows how white text looks on a background with the XYZ color 30.9709, 46.1812,



# 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

30.9709, 46.1812, 58.9113

### Protanopia

43.7520, 45.5215, 50.1966

### Deuteranopia

46.3661, 45.4418, 61.5857



## Tritanopia

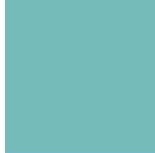
33.6854, 46.2667, 71.4449

# Trichromacy



## Original Color

30.9709, 46.1812, 58.9113



## Protanomaly

33.8357, 42.7988, 52.9320



## Deuteranomaly

35.2655, 42.7434, 60.4244



## Tritanomaly

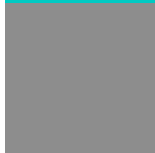
32.4914, 46.0956, 66.8594

# Monochromacy



## Original Color

30.9709, 46.1812, 58.9113



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

23.7467, 30.9413, 38.4389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9709, 46.1812, 58.9113 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(0, 202, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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(0, 202, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9709, 46.1812, 58.9113 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(0, 202, 195) }
```



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

```
.border{ border-color:rgb(0, 202, 195) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9709, 46.1812, 58.9113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 195) }
```

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

```
.background{ background-color: rgb(0, 202,  
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](#).

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