

# Converting Colors

XYZ(53.8012, 59.7574, 75.0284)

Have a look what the booklet for  
XYZ(53.8012, 59.7574, 75.0284)  
contains.

<b>XYZ(53.8012, 59.7574, 75.0284)</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(53.8012, 59.7574,  
75.0284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D0DA
RGB	179, 208, 218
RGB Percent	70%, 82%, 85%
CMY	0.2980, 0.1843, 0.1451
CMYK	0.18, 0.05, 0.00, 0.15
HSL	195°, 35%, 78%
HSV	195°, 18%, 85%
XYZ	53.8012, 59.7574, 75.0284
YIQ	200.4690, -20.4940, -3.0380

# Conversions

## Conversions Part 2

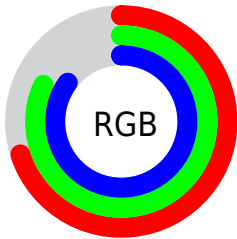
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 196, 218
Decimal	11784410
CIELab	81.71, -7.54, -8.19
CIELCh	82, 11.135, 227.376
Yxy	59.7574, 0.2853, 0.3169
Android (android.graphics.Color)	4289974490 (0xFFB3D0DA)
YUV	200.4690, 8.6428, -18.8283
Hunter-Lab	77.3029, -11.0478, -3.4335

# Details

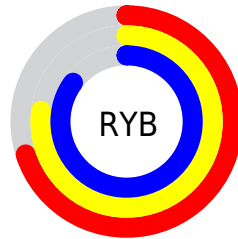
The XYZ color **53.8012, 59.7574, 75.0284** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2483, 54.5554, 50.2675**, and the grayscale version is **55.1477, 58.0197, 63.1834**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **26.7706, 30.1912, 39.0668** is the 20% darker color. If you saturate the color by 10%, you get **47.8175, 54.6870, 74.3661**, and if you desaturate by 10%, it is **60.6330, 65.3394, 75.7467**.

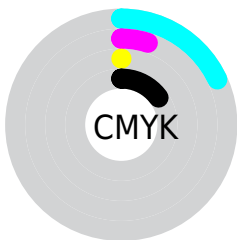
# Distribution



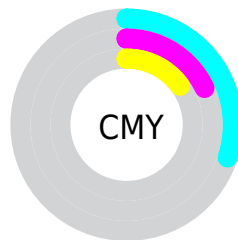
- Red (70%)
- Green (82%)
- Blue (85%)



- Red (70%)
- Yellow (77%)
- Blue (85%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)



- Cyan (30%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8012, 59.7574, 75.0284 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 53.8012, 59.7574, 75.0284 by changing the saturation by 10% instead.



■ 53.8012, 59.7574,  
75.0284

■ 53.8012, 59.7574,  
75.0284

391.5622,  
423.7030, 497.2732

■ 38.6728, 43.2231,  
55.1343

■ 94.9409, 104.4777,  
128.1000

■ 26.6848, 30.0602,  
39.1099

121.6829,  
133.4324, 162.1146

■ 17.4720, 19.8843,  
26.5368

153.0268,  
167.2962, 201.6731

■ 10.6690, 12.3110,  
16.9963

189.3379,  
206.4533, 247.1941

■ 5.9104, 6.9558,  
10.0699

230.9817,  
251.2881, 299.0960

■ 2.8308, 3.4345,  
5.3391

278.3234,

■ 1.0649, 1.3626,

302.1851, 357.7975

2.3854

331.7285,  
359.5286, 423.7170

■ 0.0000, 0.1889,  
0.7785

■ 0.0000, 0.0000,  
0.0000

■ 53.8012, 59.7574,  
75.0284

■ 53.8012, 59.7574,  
75.0284

■ 47.8175, 54.6870,  
74.3661

■ 60.6330, 65.3394,  
75.7467

■ 42.6387, 50.1006,  
73.7537

■ 68.3430, 71.4445,  
76.5188

■ 38.2259, 45.9789,  
73.1907

■ 76.9661, 78.0930,  
77.3476

■ 34.5344, 42.2981,  
72.6748

■ 82.2915, 83.1149,  
78.0362

■ 31.5149, 39.0320,  
72.2036

■ 83.8750, 86.2818,  
78.5640

■ 29.1114, 36.1510,  
71.7742

■ 85.5088, 89.5494,  
79.1086

■ 27.2582, 33.6205,  
71.3834

■ 87.1934, 92.9186,  
79.6702

■ 25.8628, 31.3919,  
71.0268

■ 88.9292, 96.3902,  
80.2488

■ 25.5962, 30.9443,  
70.9544

■ 89.6551, 97.8420,  
80.4907

# Harmonies

## Analogous

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



52.6058, 59.7574, 68.9954



53.8012, 59.7574, 75.0284



55.8187, 59.7574, 78.4853

# Triad

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



53.8012, 59.7574, 75.0284



61.3081, 59.7574, 67.9263



55.4628, 59.7574, 53.5128

# Complementary

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



53.8012, 59.7574, 75.0284



55.2483, 54.5554, 50.2675

# 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.



57.7879, 59.7574, 53.2701



53.8012, 59.7574, 75.0284



61.2064, 59.7574, 61.2881

# Square

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



53.8012, 59.7574, 75.0284



60.1774, 59.7574, 74.1996



59.9033, 59.7574, 56.0263



53.5468, 59.7574, 56.7139



# Rectangle

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



53.8012, 59.7574, 75.0284



57.3780, 59.7574, 78.7180



59.9033, 59.7574, 56.0263



56.2212, 59.7574, 53.0908

# Sweetspot

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



53.8030, 59.7599, 75.0297



89.4800, 95.5939, 108.3431



52.8212, 63.3909, 57.4549



18.9904, 20.3318, 23.1735



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

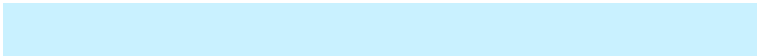


# Same Dimension

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



53.8030, 59.7599, 75.0297



73.7947, 82.7722, 106.6950



49.3904, 50.9347, 73.5589



13.1476, 14.2350, 16.7068



15.4253, 18.7200, 42.5387



1.0670, 1.3482, 2.7784



# Inverse Universe

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



56.4201, 51.7011, 66.6829



78.1497, 69.6106, 92.7501



59.6681, 63.3950, 51.7407



13.4644, 13.2149, 15.7067



21.2813, 10.5136, 21.6591

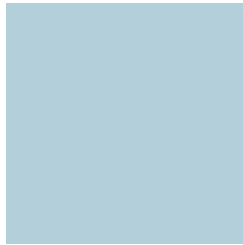


1.4129, 0.6948, 1.5832



# Previews

## White Background



This preview shows how the XYZ color 53.8012, 59.7574, 75.0284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

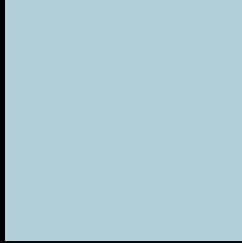
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8012, 59.7574, 75.0284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

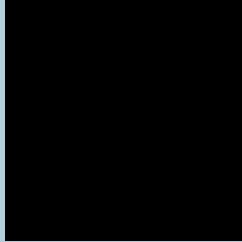
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 53.8012, 59.7574, 75.0284

## Background



This preview shows how black text looks on a background with the XYZ color 53.8012, 59.7574, 75.0284.



This preview shows how white text looks on a background with the XYZ color 53.8012, 59.7574,

75.0284.

# 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

53.8012, 59.7574, 75.0284

### Protanopia

57.6528, 59.3248, 72.0305

### Deuteranopia

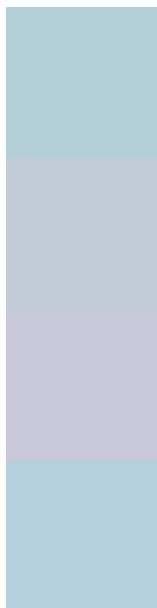
60.6161, 59.3960, 75.9799



## Tritanopia

54.5898, 59.7108, 79.1692

# Trichromacy



## Original Color

53.8012, 59.7574, 75.0284

## Protanomaly

56.1067, 59.5614, 72.8293

## Deuteranomaly

57.7602, 59.3053, 75.4206

## Tritanomaly

54.3200, 59.6029, 77.7488

# Monochromacy



## Original Color

53.8012, 59.7574, 75.0284

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

54.3566, 58.4233, 67.4434

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8012, 59.7574, 75.0284 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(179, 208, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 208, 218)  
}
```

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(179, 208, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 208, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8012, 59.7574, 75.0284 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(179, 208, 218) }
```



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

```
.border{ border-color:rgb(179, 208, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 208, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 208, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 208, 218); box-shadow:4px 4px 4px 4px rgb(179, 208, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8012, 59.7574, 75.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 208, 218) }
```

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

```
.background{ background-color: rgb(179,  
208, 218) }
```

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