

# Converting Colors

XYZ(51.7813, 56.4709, 53.4182)

Have a look what the booklet for  
XYZ(51.7813, 56.4709, 53.4182)  
contains.

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# **Color**

**XYZ(51.8117, 56.3713,  
53.4974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C8B8
RGB	195, 200, 184
RGB Percent	76%, 78%, 72%
CMY	0.2353, 0.2157, 0.2784
CMYK	0.03, 0.00, 0.08, 0.22
HSL	79°, 13%, 75%
HSV	79°, 8%, 78%
XYZ	51.8117, 56.3713, 53.4974
YIQ	196.6810, 2.1560, -6.0360

# Conversions

## Conversions Part 2

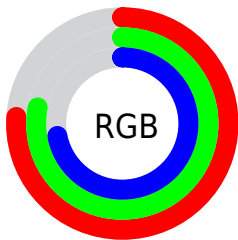
Format	Color
<a href="#">RYB</a>	<a href="#">184, 200, 189</a>
Decimal	<a href="#">12830904</a>
CIELab	<a href="#">79.82, -4.59, 7.40</a>
CIELCh	<a href="#">80, 8.708, 121.833</a>
Yxy	<a href="#">56.3713, 0.3205, 0.3487</a>
Android (android.graphics.Color)	<a href="#">4291020984 (0xFFC3C8B8)</a>
YUV	<a href="#">196.6810, -6.2517, -1.4742</a>
Hunter-Lab	<a href="#">75.0808, -8.2123, 10.3106</a>

# Details

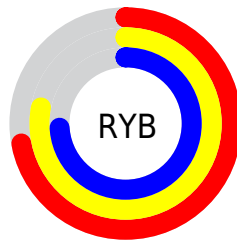
The XYZ color **51.8117, 56.3713, 53.4974** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5542, 49.2714, 61.5977**, and the grayscale version is **52.9155, 55.6712, 60.6259**.

A 20% lighter version of the original color is **91.6331, 98.5067, 96.6222**, and **25.3601, 27.8592, 25.5135** is the 20% darker color. If you saturate the color by 10%, you get **48.2801, 54.7777, 43.1510**, and if you desaturate by 10%, it is **55.7105, 58.1233, 65.4107**.

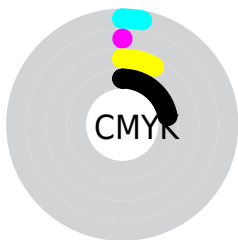
# Distribution



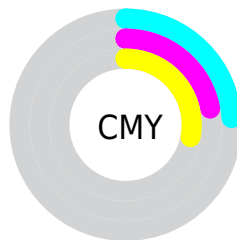
- Red (76%)
- Green (78%)
- Blue (72%)



- Red (72%)
- Yellow (78%)
- Blue (74%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)



- Cyan (24%)
- Magenta (22%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8117, 56.3713, 53.4974 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 51.8117, 56.3713, 53.4974 by changing the saturation by 10% instead.



■ 51.8117, 56.3713,  
53.4974

■ 51.8117, 56.3713,  
53.4974

384.0451,  
411.0893, 417.3108

■ 37.0787, 40.5007,  
37.8095

■ 92.0293, 99.5472,  
96.7848

■ 25.4424, 27.9291,  
25.5342

118.2447,  
127.6214, 125.2215

■ 16.5374, 18.2723,  
16.2529

149.0182,  
160.5322, 158.7449

■ 9.9985, 11.1456,  
9.5470

184.7151,  
198.6639, 197.7734

■ 5.4602, 6.1649,  
4.9980

225.7010,  
242.4012, 242.7258

■ 2.5572, 2.9456,  
2.1874

272.3410,

■ 0.9242, 1.1034,

292.1282, 294.0204

0.6671

325.0006,  
348.2294, 352.0759

■ 0.0000, 0.0000,  
0.0000

■ 51.8117, 56.3713,  
53.4974

■ 51.8117, 56.3713,  
53.4974

■ 48.2801, 54.7777,  
43.1510

■ 55.7105, 58.1233,  
65.4107

■ 45.0979, 53.3298,  
34.3026

■ 59.9844, 60.0313,  
78.9485

■ 42.2526, 52.0243,  
26.8836

■ 64.6467, 62.1027,  
94.1701

■ 39.7291, 50.8549,  
20.8187

■ 68.2248, 63.7486,  
103.3166

■ 37.5108, 49.8152,  
16.0256

■ 70.1533, 64.7427,  
103.4069

■ 35.5796, 48.8975,  
12.4132

■ 72.1533, 65.7738,  
103.5005

■ 33.9150, 48.0938,  
9.8782

■ 74.2256, 66.8421,  
103.5974

■ 32.4930, 47.3942,  
8.2995

■ 76.3709, 67.9480,  
103.6978

■ 31.2784, 46.7846,  
7.4966

■ 78.5900, 69.0920,  
103.8017

# Harmonies

## Analogous

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



53.4709, 56.3713, 52.1809



51.8117, 56.3713, 53.4974



50.6471, 56.3713, 56.9108

# Triad

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



51.8117, 56.3713, 53.4974



51.9955, 56.3713, 70.3379



57.0380, 56.3713, 61.0688

# Complementary

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



51.8117, 56.3713, 53.4974



48.5542, 49.2714, 61.5977

# 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.



56.6224, 56.3713, 66.0747



51.8117, 56.3713, 53.4974



53.6877, 56.3713, 71.5985

# Square

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



51.8117, 56.3713, 53.4974



50.7516, 56.3713, 66.6412



55.3865, 56.3713, 69.9985



56.5100, 56.3713, 56.4010



# Rectangle

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



51.8117, 56.3713, 53.4974



50.2945, 56.3713, 60.0105



55.3865, 56.3713, 69.9985



57.0040, 56.3713, 62.7677

# Sweetspot

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



51.8133, 56.3737, 53.4986



93.6554, 99.3747, 104.6054



50.6277, 52.0510, 52.7267



20.0608, 21.2768, 22.4348



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

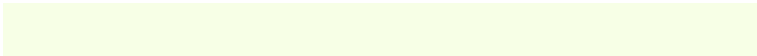


# Same Dimension

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



51.8133, 56.3737, 53.4986



88.3402, 96.9842, 88.5591



49.8503, 55.3618, 53.4068



11.1888, 12.2443, 11.3364



19.8371, 29.7217, 4.6913



1.0114, 1.4445, 0.2255



# Inverse Universe

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



48.5542, 49.2714, 61.5977



81.2909, 81.6217, 106.0778



50.5414, 50.2959, 61.6907



10.3635, 10.4457, 13.3875



7.9953, 3.3560, 34.9707

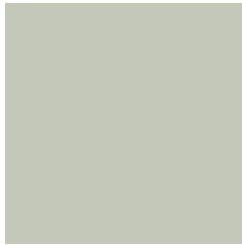


0.4540, 0.1978, 1.6594



# Previews

## White Background



This preview shows how the XYZ color 51.8117, 56.3713, 53.4974 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 51.8117, 56.3713, 53.4974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

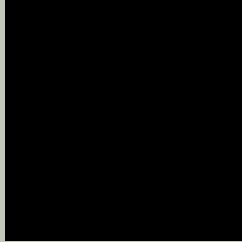
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.8117, 56.3713, 53.4974

## Background



This preview shows how black text looks on a background with the XYZ color 51.8117, 56.3713, 53.4974.



This preview shows how white text looks on a background with the XYZ color 51.8117, 56.3713,



# 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

51.8117, 56.3713, 53.4974

### Protanopia

53.5866, 56.2890, 52.2965

### Deuteranopia

57.3125, 56.1789, 54.2773



## Tritanopia

55.0510, 56.3251, 69.5984

# Trichromacy



## Original Color

51.8117, 56.3713, 53.4974

## Protanomaly

52.8287, 56.2246, 52.8678

## Deuteranomaly

55.2001, 56.0834, 53.8148

## Tritanomaly

53.7976, 56.1553, 63.2620

# Monochromacy



## Original Color

51.8117, 56.3713, 53.4974

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

52.4735, 55.9297, 57.8990

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8117, 56.3713, 53.4974 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(195, 200, 184)` looks like.

```
.text, #text, p{  
    color:rgb(195, 200, 184)  
}
```

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(195, 200, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 200, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8117, 56.3713, 53.4974 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(195, 200, 184) }
```



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

```
.border{ border-color:rgb(195, 200, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 200, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 200, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 200, 184);  
box-shadow:4px 4px 4px 4px rgb(195, 200,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8117, 56.3713, 53.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 200, 184) }
```

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

```
.background{ background-color: rgb(195,  
200, 184) }
```

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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