

# Converting Colors

XYZ(51.1701, 55.0676, 59.5690)

Have a look what the booklet for  
XYZ(51.1701, 55.0676, 59.5690)  
contains.

<b>XYZ(51.2796, 55.2754, 59.5963)</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(51.2796, 55.2754,  
59.5963)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BEC6C3</a>
RGB	<a href="#">190, 198, 195</a>
RGB Percent	<a href="#">75%, 78%, 76%</a>
CMY	<a href="#">0.2549, 0.2235, 0.2353</a>
<a href="#">CMYK</a>	<a href="#">0.04, 0.00, 0.02, 0.22</a>
HSL	<a href="#">157°, 7%, 76%</a>
HSV	<a href="#">157°, 4%, 78%</a>
XYZ	<a href="#">51.2796, 55.2754, 59.5963</a>
YIQ	<a href="#">195.2660, -3.8050, -2.6290</a>

# Conversions

## Conversions Part 2

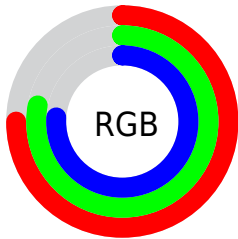
Format	Color
<a href="#">RYB</a>	<a href="#">190, 195, 198</a>
Decimal	<a href="#">12502723</a>
CIELab	<a href="#">79.20, -3.30, 0.54</a>
CIElCh	<a href="#">79, 3.345, 170.756</a>
Yxy	<a href="#">55.2754, 0.3086, 0.3327</a>
Android (android.graphics.Color)	<a href="#">4290692803 (0xFFBEC6C3)</a>
YUV	<a href="#">195.2660, -0.1311, -4.6183</a>
Hunter-Lab	<a href="#">74.3474, -6.9913, 4.5168</a>

# Details

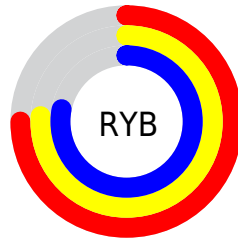
The XYZ color **51.2796, 55.2754, 59.5963** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.3298, 52.6843, 57.9184**, and the grayscale version is **52.0340, 54.7438, 59.6160**.

A 20% lighter version of the original color is **91.3367, 98.1411, 106.2246**, and **25.0975, 27.1880, 29.1243** is the 20% darker color. If you saturate the color by 10%, you get **45.8471, 52.5711, 55.0661**, and if you desaturate by 10%, it is **57.4289, 58.3475, 64.3806**.

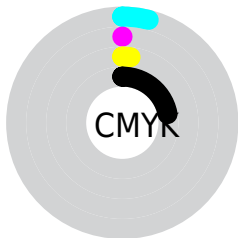
# Distribution



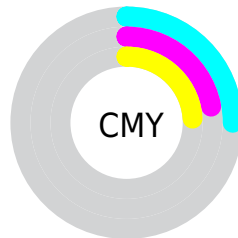
- Red (75%)
- Green (78%)
- Blue (76%)



- Red (75%)
- Yellow (76%)
- Blue (78%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (25%)
- Magenta (22%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2796, 55.2754, 59.5963 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 51.2796, 55.2754, 59.5963 by changing the saturation by 10% instead.



■ 51.2796, 55.2754,  
59.5963

■ 51.2796, 55.2754,  
59.5963

382.0189,  
406.9550, 440.8714

■ 36.6531, 39.6223,  
42.6702

■ 91.2485, 97.9443,  
105.7815

■ 25.1115, 27.2441,  
29.2969

117.3216,  
125.7289, 135.8776

■ 16.2893, 17.7567,  
19.0580

147.9409,  
158.3261, 171.2007

■ 9.8212, 10.7754,  
11.5350

183.4719,  
196.1203, 212.1695

■ 5.3420, 5.9160,  
6.3092

224.2798,  
239.4959, 259.2024

■ 2.4861, 2.7941,  
2.9622

270.7300,

■ 0.8882, 1.0252,

288.8373, 312.7180

1.0754

323.1880,  
344.5289, 373.1348

■ 0.0000, 0.0000,  
0.0000

■ 51.2796, 55.2754,  
59.5963

■ 51.2796, 55.2754,  
59.5963

■ 45.8471, 52.5711,  
55.0661

■ 57.4289, 58.3475,  
64.3806

■ 41.0993, 50.2134,  
50.7819

■ 64.3163, 61.7937,  
69.4196

■ 37.0084, 48.1896,  
46.7403


■ 71.9680, 65.6290,  
74.7186


■ 33.5427, 46.4837,  
42.9366


■ 74.9876, 67.0712,  
80.0282


■ 30.6683, 45.0779,  
39.3658


■ 76.0220, 67.4850,  
85.4750


 28.3474, 43.9530,  
36.0228


 77.1010, 67.9166,  
91.1569

 26.5379, 43.0874,  
32.9019

 78.2251, 68.3662,  
97.0767

 25.1913, 42.4561,  
29.9973

 79.3950, 68.8342,  
103.2371

 24.2490, 42.0290,  
27.3026

 79.4851, 68.8702,  
103.7117

# Harmonies

## Analogous

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



51.5488, 55.2754, 57.8875



51.2796, 55.2754, 59.5963



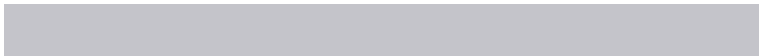
51.3453, 55.2754, 61.4990

# Triad

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



51.2796, 55.2754, 59.5963



52.9943, 55.2754, 63.6925



53.3547, 55.2754, 57.3804

# Complementary

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



51.2796, 55.2754, 59.5963



51.3298, 52.6843, 57.9184

# 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.



53.7483, 55.2754, 58.8909



51.2796, 55.2754, 59.5963



53.5390, 55.2754, 62.5436

# Square

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



51.2796, 55.2754, 59.5963



52.3315, 55.2754, 63.8911



53.8160, 55.2754, 60.7786



52.7443, 55.2754, 56.6261



# Rectangle

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



51.2796, 55.2754, 59.5963



51.5703, 55.2754, 62.6199



53.8160, 55.2754, 60.7786



53.5169, 55.2754, 57.8151

# Sweetspot

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



51.2812, 55.2778, 59.5975



93.9644, 99.4581, 108.0471



51.4995, 55.4546, 56.7055



20.1237, 21.2938, 23.1355



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

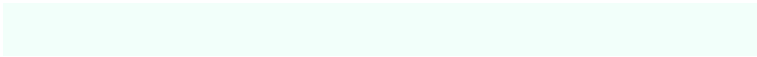


# Same Dimension

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



51.2812, 55.2778, 59.5975



89.7530, 97.3572, 104.6813



51.4115, 54.9894, 61.3332



11.2354, 12.2286, 13.1291



15.5291, 27.2240, 16.9968



0.7696, 1.3028, 0.9854



# Inverse Universe

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



51.3298, 52.6843, 57.9184



89.8604, 91.6307, 100.9737



51.2010, 52.9574, 56.2392



11.2503, 11.4312, 12.6128



15.9940, 8.1472, 5.1781

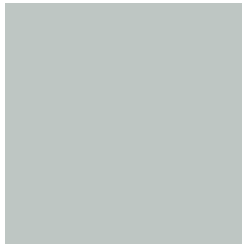


0.7924, 0.3998, 0.4297



# Previews

## White Background



This preview shows how the XYZ color 51.2796, 55.2754, 59.5963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

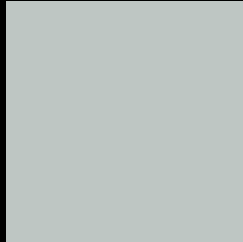
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2796, 55.2754, 59.5963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

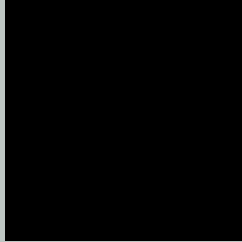
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

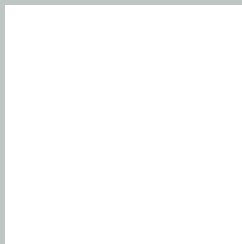
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.2796, 55.2754, 59.5963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2796, 55.2754, 59.5963.



This preview shows how white text looks on a background with the XYZ color 51.2796, 55.2754,



# 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

51.2796, 55.2754, 59.5963

### Protanopia

52.9602, 55.1598, 58.3077

### Deuteranopia

56.2231, 55.1543, 60.5059



## Tritanopia

53.4901, 55.5205, 69.5253

# Trichromacy



## Original Color

51.2796, 55.2754, 59.5963

## Protanomaly

52.2425, 55.1107, 58.9229

## Deuteranomaly

54.2106, 55.1046, 60.0036

## Tritanomaly

52.7239, 55.5468, 65.7004

# Monochromacy



## Original Color

51.2796, 55.2754, 59.5963

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.5826, 54.7574, 59.4803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2796, 55.2754, 59.5963 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(190, 198, 195) looks like.

```
.text, #text, p{  
    color:rgb(190, 198, 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(190, 198, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 198, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2796, 55.2754, 59.5963 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(190, 198, 195) }
```



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

```
.border{ border-color:rgb(190, 198, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 198, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 198, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 198, 195);  
box-shadow:4px 4px 4px 4px rgb(190, 198,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2796, 55.2754, 59.5963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 198, 195) }
```

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

```
.background{ background-color: rgb(190,  
198, 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