

# Converting Colors

XYZ(50.7677, 55.3790, 48.0539)

Have a look what the booklet for  
XYZ(50.7677, 55.3790, 48.0539)  
contains.

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# Color

**XYZ(50.5990, 55.1799,  
48.0283)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4C6AE
RGB	196, 198, 174
RGB Percent	77%, 78%, 68%
CMY	0.2314, 0.2235, 0.3176
CMYK	0.01, 0.00, 0.12, 0.22
HSL	65°, 17%, 73%
HSV	65°, 12%, 78%
XYZ	50.5990, 55.1799, 48.0283
YIQ	194.6660, 6.5120, -7.8880

# Conversions

## Conversions Part 2

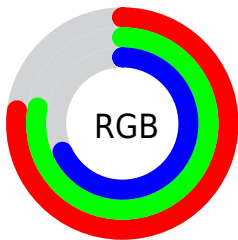
Format	Color
<a href="#">RYB</a>	<a href="#">174, 198, 176</a>
Decimal	<a href="#">12895918</a>
CIELab	<a href="#">79.14, -4.87, 11.80</a>
CIELCh	<a href="#">79, 12.765, 112.447</a>
Yxy	<a href="#">55.1799, 0.3290, 0.3588</a>
Android (android.graphics.Color)	<a href="#">4291085998 (0xFFC4C6AE)</a>
YUV	<a href="#">194.6660, -10.1883, 1.1699</a>
Hunter-Lab	<a href="#">74.2832, -8.4078, 13.6639</a>

# Details

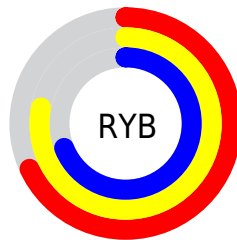
The XYZ color **50.5990, 55.1799, 48.0283** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.2357, 43.5809, 59.5622**, and the grayscale version is **51.7302, 54.4242, 59.2680**.

A 20% lighter version of the original color is **90.4109, 98.0598, 88.2910**, and **24.6414, 27.1024, 22.3449** is the 20% darker color. If you saturate the color by 10%, you get **48.3822, 54.2456, 38.5801**, and if you desaturate by 10%, it is **53.1082, 56.2353, 58.9778**.

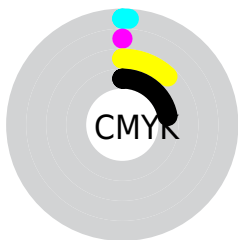
# Distribution



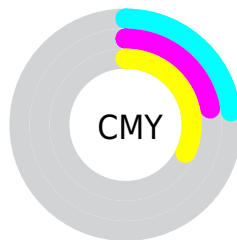
- Red (77%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (69%)



- Cyan (1%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)




- Cyan (23%)
- Magenta (22%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5990, 55.1799, 48.0283 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 50.5990, 55.1799, 48.0283 by changing the saturation by 10% instead.





 50.5990, 55.1799,  
48.0283

 50.5990, 55.1799,  
48.0283


379.4172,  
406.5935, 395.4162

 36.1093, 39.5458,  
33.4891


 90.2483, 97.8045,  
88.6125

 24.6891, 27.1846,  
22.2272


116.1386,  
125.5637, 115.4947

 15.9731, 17.7119,  
13.8241


146.5598,  
158.1335, 147.3283

 9.5958, 10.7433,  
7.8610

181.8773,  
195.8981, 184.5318

 5.1920, 5.8945,  
3.9197

222.4564,  
239.2421, 227.5238

 2.3963, 2.7810,  
1.5814

268.6626,

 0.8433, 1.0185,

288.5497, 276.7229

0.2775

320.8610,  
344.2053, 332.5475

■ 0.0000, 0.0000,  
0.0000

■ 50.5990, 55.1799,  
48.0283

■ 50.5990, 55.1799,  
48.0283

■ 48.3822, 54.2456,  
38.5801

■ 53.1082, 56.2353,  
58.9778

■ 46.4408, 53.4202,  
30.5644

■ 55.9168, 57.4093,  
71.4864

■ 44.7630, 52.7007,  
23.9122

■ 59.0375, 58.7086,  
85.6132

■ 43.3344, 52.0815,  
18.5475

■ 62.4807, 60.1375,  
101.4131

■ 42.1390, 51.5561,  
14.3868

■ 63.2201, 60.4855,  
102.9505

■ 41.1592, 51.1175,  
11.3368

■ 63.6765, 60.7207,  
102.9719

■ 40.3746, 50.7575,  
9.2905

■ 64.1377, 60.9584,  
102.9935

■ 39.7609, 50.4664,  
8.1200

■ 64.6037, 61.1987,  
103.0153

■ 39.3625, 50.2715,  
7.6287

■ 65.0745, 61.4414,  
103.0373

# Harmonies

## Analogous

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



53.0932, 55.1799, 47.2223



50.5990, 55.1799, 48.0283



48.6592, 55.1799, 51.9319

# Triad

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



50.5990, 55.1799, 48.0283



49.5181, 55.1799, 71.9012



57.4531, 55.1799, 61.9441

# Complementary

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



50.5990, 55.1799, 48.0283



43.2357, 43.5809, 59.5622

# 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.



56.4261, 55.1799, 69.0421



50.5990, 55.1799, 48.0283



51.8057, 55.1799, 75.0859

# Square

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



50.5990, 55.1799, 48.0283



48.0494, 55.1799, 65.5977



54.3391, 55.1799, 73.9994



57.1047, 55.1799, 54.8836



# Rectangle

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



50.5990, 55.1799, 48.0283



47.9146, 55.1799, 55.9500



54.3391, 55.1799, 73.9994



57.2562, 55.1799, 64.4116

# Sweetspot

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



50.6005, 55.1823, 48.0295



93.1383, 99.1992, 100.4647



46.4558, 46.1138, 46.4975



19.8606, 21.2013, 21.1749



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

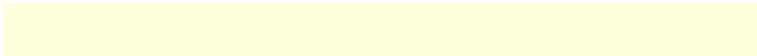


# Same Dimension

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



50.6005, 55.1823, 48.0295



88.3267, 97.1761, 79.5768



47.6032, 53.6371, 47.8892



11.4332, 12.3702, 11.3479



25.6322, 32.7092, 4.9625



1.2401, 1.5624, 0.2362



# Inverse Universe

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



43.2357, 43.5809, 59.5622



72.2966, 71.9237, 104.6800



46.0698, 45.0419, 59.6948



10.1374, 10.3291, 13.3769



6.8041, 2.7419, 34.9150

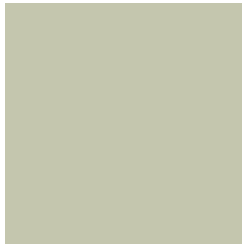


0.3512, 0.1448, 1.6546



# Previews

## White Background



This preview shows how the XYZ color 50.5990, 55.1799, 48.0283 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

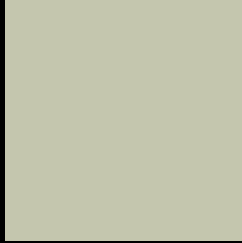
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5990, 55.1799, 48.0283 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

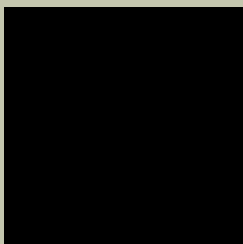
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

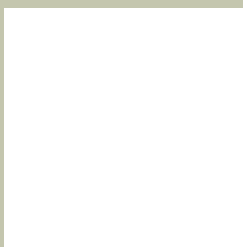
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.5990, 55.1799, 48.0283**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5990, 55.1799, 48.0283.



This preview shows how white text looks on a background with the XYZ color 50.5990, 55.1799,



# 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

50.5990, 55.1799, 48.0283

### Protanopia

52.2348, 55.0265, 47.4033

### Deuteranopia

56.1583, 55.0594, 48.7420



## Tritanopia

54.5425, 55.1115, 67.4374

# Trichromacy



## Original Color

50.5990, 55.1799, 48.0283

## Protanomaly

51.6399, 55.0535, 47.4398

## Deuteranomaly

54.0281, 54.9406, 48.3144

## Tritanomaly

53.0321, 55.1578, 60.0760

# Monochromacy



## Original Color

50.5990, 55.1799, 48.0283

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.2152, 54.6698, 54.8667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5990, 55.1799, 48.0283 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(196, 198, 174)` looks like.

```
.text, #text, p{  
    color:rgb(196, 198, 174)  
}
```

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(196, 198, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 198, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5990, 55.1799, 48.0283 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(196, 198, 174) }
```



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

```
.border{ border-color:rgb(196, 198, 174) }
```

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

Here you see how a box with a 4 pixel rgb(196, 198, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(196, 198,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5990, 55.1799, 48.0283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 198, 174) }
```

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

```
.background{ background-color: rgb(196,  
198, 174) }
```

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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