

# Converting Colors

XYZ(49.1279, 55.4914, 60.3468)

Have a look what the booklet for  
XYZ(49.1279, 55.4914, 60.3468)  
contains.

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# Color

**XYZ(49.2158, 55.5737,  
60.3574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CAC4
RGB	177, 202, 196
RGB Percent	69%, 79%, 77%
CMY	0.3059, 0.2078, 0.2314
CMYK	0.12, 0.00, 0.03, 0.21
HSL	166°, 19%, 74%
HSV	166°, 12%, 79%
XYZ	49.2158, 55.5737, 60.3574
YIQ	193.8410, -12.9740, -7.1660

# Conversions

## Conversions Part 2

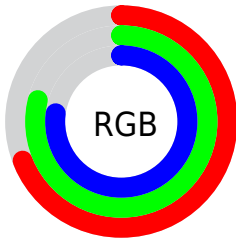
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 191, 202
Decimal	11651780
CIELab	79.37, -9.57, 0.14
CIElCh	79, 9.575, 179.170
Yxy	55.5737, 0.2980, 0.3365
Android (android.graphics.Color)	4289841860 (0xFFB1CAC4)
YUV	193.8410, 1.0644, -14.7696
Hunter-Lab	74.5478, -12.6144, 4.1795

# Details

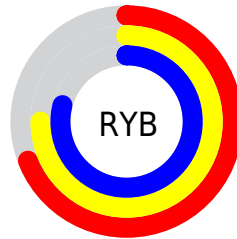
The XYZ color **49.2158, 55.5737, 60.3574** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6285, 47.4212, 51.3925**, and the grayscale version is **51.1849, 53.8505, 58.6431**.

A 20% lighter version of the original color is **87.0939, 95.9355, 106.8556**, and **23.7846, 27.4179, 29.6298** is the 20% darker color. If you saturate the color by 10%, you get **44.4081, 53.1595, 57.2979**, and if you desaturate by 10%, it is **54.7256, 58.3508, 63.5452**.

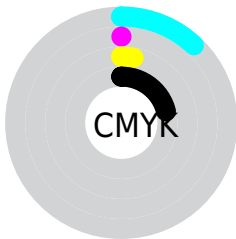
# Distribution



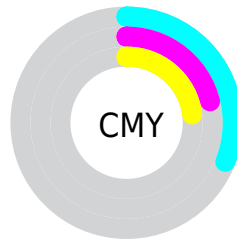
- Red (69%)
- Green (79%)
- Blue (77%)



- Red (69%)
- Yellow (75%)
- Blue (79%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2158, 55.5737, 60.3574 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 49.2158, 55.5737, 60.3574 by changing the saturation by 10% instead.



■ 49.2158, 55.5737,  
60.3574

■ 49.2158, 55.5737,  
60.3574

374.0941,  
408.0830, 443.7550

■ 35.0059, 39.8612,  
43.2796

■ 88.2107, 98.3810,  
106.8964

■ 23.8340, 27.4304,  
29.7715

113.7264,  
126.2446, 137.1947

■ 15.3346, 17.8967,  
19.4147

143.7415,  
158.9274, 172.7368

■ 9.1424, 10.8759,  
11.7904

178.6212,  
196.8138, 213.9414

■ 4.8920, 5.9834,  
6.4803

218.7310,  
240.2882, 261.2270

■ 2.2182, 2.8350,  
3.0658

264.4362,

■ 0.7523, 1.0462,

289.7349, 315.0121

1.1283

316.1021,  
345.5383, 375.7153

■ 0.0000, 0.0000,  
0.0000

■ 49.2158, 55.5737,  
60.3574

■ 49.2158, 55.5737,  
60.3574

■ 44.4081, 53.1595,  
57.2979

■ 54.7256, 58.3508,  
63.5452

■ 40.2678, 51.0858,  
54.3608

■ 60.9610, 61.4983,  
66.8599

■ 36.7643, 49.3384,  
51.5450


■ 67.9500, 65.0323,  
70.3047


■ 33.8626, 47.8992,  
48.8478


■ 74.6790, 68.4301,  
73.8330


■ 31.5246, 46.7486,  
46.2666


■ 75.3132, 68.6838,  
77.1726


 29.7072, 45.8645,  
43.7986


 75.9660, 68.9449,  
80.6105


 28.3614, 45.2215,  
41.4403

 76.6377, 69.2136,  
84.1473

 27.4282, 44.7893,  
39.1882

 77.3283, 69.4898,  
87.7840

 26.9131, 44.5598,  
37.5384

 78.0380, 69.7737,  
91.5213

# Harmonies

## Analogous

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



49.7147, 55.5737, 55.2530



49.2158, 55.5737, 60.3574



49.6633, 55.5737, 65.8102

# Triad

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



49.2158, 55.5737, 60.3574



54.6407, 55.5737, 70.2177



54.7354, 55.5737, 51.8795

# Complementary

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



49.2158, 55.5737, 60.3574



48.6285, 47.4212, 51.3925

# 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.



56.1100, 55.5737, 55.5029



49.2158, 55.5737, 60.3574



56.0544, 55.5737, 66.0910

# Square

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



49.2158, 55.5737, 60.3574



52.7677, 55.5737, 71.7073



56.5984, 55.5737, 60.6635



52.8746, 55.5737, 50.5441



# Rectangle

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



49.2158, 55.5737, 60.3574



50.4445, 55.5737, 68.8664



56.5984, 55.5737, 60.6635



55.2713, 55.5737, 52.8591

# Sweetspot

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



49.2174, 55.5760, 60.3586



91.0046, 97.9598, 106.6657



48.6461, 55.5158, 49.7475



19.3207, 20.8878, 22.7417



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

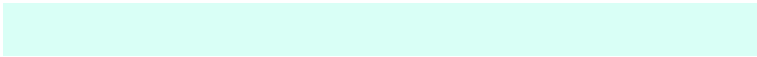


# Same Dimension

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



49.2174, 55.5760, 60.3586



80.9074, 92.8760, 100.7037



48.4775, 52.9806, 63.5511



11.4236, 12.6792, 13.7882



17.3538, 28.6868, 24.3458



0.9237, 1.4913, 1.4059



# Inverse Universe

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



48.6285, 47.4212, 51.3925



79.7068, 76.2443, 82.4193



49.2799, 49.7027, 48.5921



11.3209, 11.2571, 12.2245



16.0531, 8.2318, 2.7321



0.8589, 0.4370, 0.3028



# Previews

## White Background



This preview shows how the XYZ color 49.2158, 55.5737, 60.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

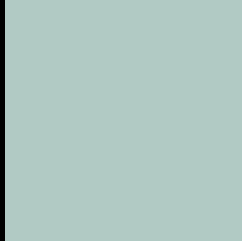
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2158, 55.5737, 60.3574 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

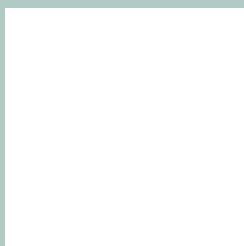
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.2158, 55.5737, 60.3574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2158, 55.5737, 60.3574.



This preview shows how white text looks on a background with the XYZ color 49.2158, 55.5737,

60.3574.

# 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

49.2158, 55.5737, 60.3574

### Protanopia

53.1169, 55.2535, 57.7346

### Deuteranopia

56.3381, 55.2003, 61.1115



## Tritanopia

51.5116, 55.4564, 72.2792

# Trichromacy



## Original Color

49.2158, 55.5737, 60.3574

## Protanomaly

51.5580, 55.4449, 58.4366

## Deuteranomaly

53.4572, 55.0323, 60.6281

## Tritanomaly

50.6298, 55.4463, 67.7082

# Monochromacy



## Original Color

49.2158, 55.5737, 60.3574

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

50.5556, 54.5640, 59.4971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2158, 55.5737, 60.3574 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(177, 202, 196)` looks like.

```
.text, #text, p{  
    color:rgb(177, 202, 196)  
}
```

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(177, 202, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 202, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2158, 55.5737, 60.3574 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(177, 202, 196) }
```



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

```
.border{ border-color:rgb(177, 202, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 202, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 202, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 202, 196);  
box-shadow:4px 4px 4px 4px rgb(177, 202,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2158, 55.5737, 60.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 202, 196) }
```

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

```
.background{ background-color: rgb(177,  
202, 196) }
```

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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