

Converting Colors

XYZ(49.4711, 54.7801, 65.3300)

Have a look what the booklet for
XYZ(49.4711, 54.7801, 65.3300)
contains.

XYZ(49.4579, 54.8983, 65.1165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4579, 54.8983,
65.1165)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C8CC
RGB	176, 200, 204
RGB Percent	69%, 78%, 80%
CMY	0.3098, 0.2157, 0.2000
CMYK	0.14, 0.02, 0.00, 0.20
HSL	189°, 22%, 75%
HSV	189°, 14%, 80%
XYZ	49.4579, 54.8983, 65.1165
YIQ	193.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

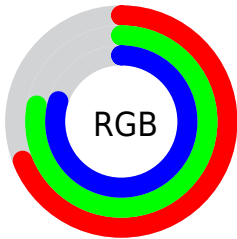
Format	Color
RYB	176, 189, 204
Decimal	11585740
CIELab	78.98, -7.24, -4.74
CIELCh	79, 8.657, 213.193
Yxy	54.8983, 0.2918, 0.3239
Android (android.graphics.Color)	4289775820 (0xFFB0C8CC)
YUV	193.2800, 5.2850, -15.1546
Hunter-Lab	74.0934, -10.5133, -0.2413

Details

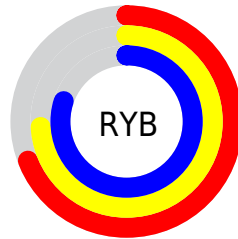
The XYZ color **49.4579, 54.8983, 65.1165** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0600, 48.6145, 47.8732**, and the grayscale version is **50.8310, 53.4782, 58.2377**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **23.9523, 26.9707, 32.7976** is the 20% darker color. If you saturate the color by 10%, you get **44.5198, 51.3623, 64.6951**, and if you desaturate by 10%, it is **55.1052, 58.8220, 65.5771**.

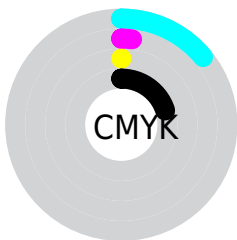
Distribution



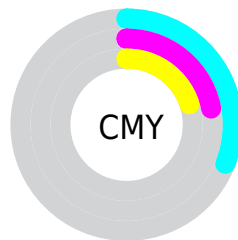
- Red (69%)
- Green (78%)
- Blue (80%)



- Red (69%)
- Yellow (74%)
- Blue (80%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4579, 54.8983, 65.1165 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 49.4579, 54.8983, 65.1165 by changing the saturation by 10% instead.

■ 49.4579, 54.8983,
65.1165

■ 49.4579, 54.8983,
65.1165

375.0293,
405.5263, 461.5282

■ 35.1989, 39.3203,
47.1036

■ 88.5678, 97.3919,
113.8322

■ 23.9833, 27.0090,
32.7626

114.1494,
125.0764, 145.3721

■ 15.4459, 17.5800,
21.6750

144.2359,
157.5651, 182.2581

■ 9.2213, 10.6489,
13.4223

179.1926,
195.2424, 224.9087

■ 4.9441, 5.8312,
7.5858

219.3850,
238.4928, 273.7425

■ 2.2489, 2.7427,
3.7472

265.1783,

■ 0.7683, 0.9989,

287.7007, 329.1779

1.4877

316.9380,
343.2504, 391.6337

■ 0.0000, 0.0000,
0.2087

■ 0.0000, 0.0000,
0.0000

■ 49.4579, 54.8983,
65.1165

■ 49.4579, 54.8983,
65.1165

■ 44.5198, 51.3623,
64.6951

■ 55.1052, 58.8220,
65.5771

■ 40.2552, 48.1909,
64.3078

■ 61.4860, 63.1414,
66.0745

■ 36.6326, 45.3694,
63.9541

■ 68.6290, 67.8732,
66.6113

■ 33.6158, 42.8790,
63.6324

■ 75.5962, 72.5336,
67.1437

■ 31.1651, 40.6990,
63.3408

■ 76.3293, 73.9998,
67.3880

■ 29.2360, 38.8065,
63.0772

■ 77.0755, 75.4923,
67.6368

■ 27.7772, 37.1749,
62.8391

■ 77.8351, 77.0113,
67.8900

■ 26.7264, 35.7719,
62.6237

■ 78.6079, 78.5570,
68.1476

■ 26.2055, 34.9723,
62.4968

■ 79.3942, 80.1295,
68.4097

Harmonies

Analogous

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



48.9435, 54.8983, 60.3045



49.4579, 54.8983, 65.1165



50.7006, 54.8983, 68.6416

Triad

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



49.4579, 54.8983, 65.1165



55.1897, 54.8983, 64.1530



51.9950, 54.8983, 50.8005

Complementary

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



49.4579, 54.8983, 65.1165



49.0600, 48.6145, 47.8732

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.



53.6863, 54.8983, 51.7067



49.4579, 54.8983, 65.1165



55.5544, 54.8983, 59.2484

Square

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



49.4579, 54.8983, 65.1165



54.0124, 54.8983, 68.0642



54.9985, 54.8983, 54.7337



50.3879, 54.8983, 52.1876

Rectangle

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



49.4579, 54.8983, 65.1165



51.7878, 54.8983, 69.6908



54.9985, 54.8983, 54.7337



52.5725, 54.8983, 50.8472

Sweetspot

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



49.4595, 54.9006, 65.1177



90.9337, 97.1910, 108.5748



47.7095, 55.7013, 51.2757



19.3026, 20.6924, 23.2266



0.0000, 0.0000, 0.0000



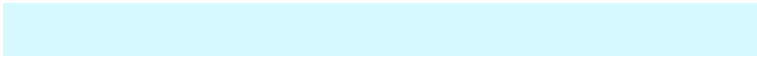
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4595, 54.9006, 65.1177



79.7699, 89.4061, 107.6605



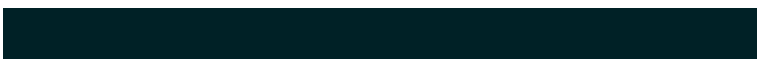
46.4198, 48.8211, 64.1045



11.4015, 12.4434, 14.3713



16.5461, 22.1161, 39.3530



0.8919, 1.2176, 2.0430

Inverse Universe

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



50.8538, 48.0594, 61.2423



82.4635, 76.3049, 100.1481



51.9718, 54.4380, 48.8438



11.6160, 11.3751, 13.7785



20.5626, 10.0356, 26.4790



1.0802, 0.5255, 1.4679

Previews

White Background



This preview shows how the XYZ color 49.4579, 54.8983, 65.1165 looks on a white background.

Color Contrast Check

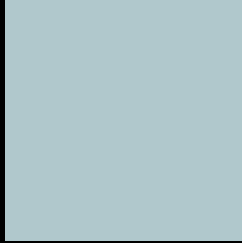
Large Text (above 18pt) WCAG AA × Fail

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 49.4579, 54.8983, 65.1165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

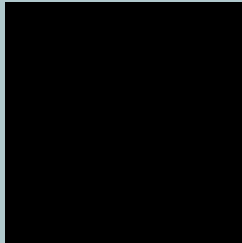
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

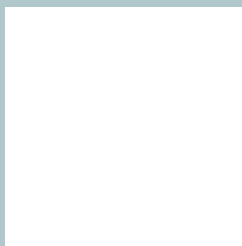
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4579, 54.8983, 65.1165

Background



This preview shows how black text looks on a background with the XYZ color 49.4579, 54.8983, 65.1165.



This preview shows how white text looks on a background with the XYZ color 49.4579, 54.8983,

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

49.4579, 54.8983, 65.1165

Protanopia

52.8604, 54.6709, 63.0248

Deuteranopia

55.6327, 54.4067, 65.9619



Tritanopia

50.6918, 54.7082, 71.5063

Trichromacy



Original Color

49.4579, 54.8983, 65.1165

Protanomaly

51.3869, 54.5629, 63.7004

Deuteranomaly

53.1154, 54.4180, 65.4619

Tritanomaly

50.1877, 54.8471, 68.9141

Monochromacy



Original Color

49.4579, 54.8983, 65.1165

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.3115, 54.0759, 60.6093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4579, 54.8983, 65.1165 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(176, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(176, 200, 204)  
}
```

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(176, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 200, 204) }
```

Border

The CSS property to change the border of an element to XYZ 49.4579, 54.8983, 65.1165 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(176, 200, 204) }
```


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

```
.border{ border-color:rgb(176, 200, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 200, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(176, 200,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4579, 54.8983, 65.1165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 200, 204) }
```

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

```
.background{ background-color: rgb(176,  
200, 204) }
```

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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