

Converting Colors

XYZ(49.5795, 58.1996, 65.0124)

Have a look what the booklet for
XYZ(49.5795, 58.1996, 65.0124)
contains.

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Color

**XYZ(49.5163, 58.1282,
65.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D1CB
RGB	167, 209, 203
RGB Percent	65%, 82%, 80%
CMY	0.3451, 0.1804, 0.2039
CMYK	0.20, 0.00, 0.03, 0.18
HSL	171°, 31%, 74%
HSV	171°, 20%, 82%
XYZ	49.5163, 58.1282, 65.1100
YIQ	195.7580, -23.1060, -10.7700

Conversions

Conversions Part 2

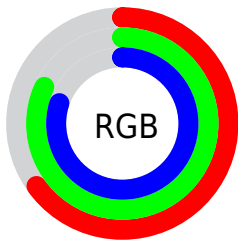
Format	Color
R _{YB}	167, 190, 209
Decimal	10998219
CIE Lab	80.81, -14.96, -1.58
CIE LCh	81, 15.047, 186.040
Yxy	58.1282, 0.2866, 0.3365
Android (android.graphics.Color)	4289188299 (0xFFA7D1CB)
YUV	195.7580, 3.5703, -25.2208
Hunter-Lab	76.2419, -17.4940, 2.7361

Details

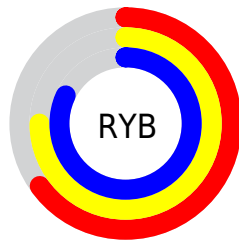
The XYZ color **49.5163, 58.1282, 65.1100** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6581, 44.2114, 45.5594**, and the grayscale version is **52.3149, 55.0393, 59.9379**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **24.0856, 29.1900, 32.7986** is the 20% darker color. If you saturate the color by 10%, you get **45.1007, 55.8941, 63.0641**, and if you desaturate by 10%, it is **54.6557, 60.7377, 67.2281**.

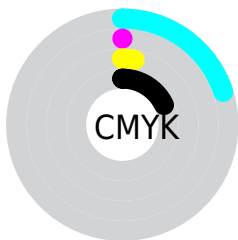
Distribution



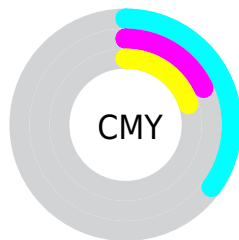
- Red (65%)
- Green (82%)
- Blue (80%)



- Red (65%)
- Yellow (75%)
- Blue (82%)



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)





- Cyan (35%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5163, 58.1282, 65.1100 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 49.5163, 58.1282, 65.1100 by changing the saturation by 10% instead.


 49.5163, 58.1282,
65.1100


 49.5163, 58.1282,
65.1100


375.2547,
417.6635, 461.5042

 35.2454, 41.9117,
47.0984


 88.6539, 102.1095,
113.8228

 24.0194, 29.0322,
32.7585


 114.2514,
130.6432, 145.3610

 15.4728, 19.1052,
21.6719

144.3551,
164.0513, 182.2452

 9.2404, 11.7463,
13.4200

179.3304,
202.7184, 224.8938

 4.9567, 6.5712,
7.5843

219.5426,
247.0287, 273.7255

 2.2563, 3.1954,
3.7462

265.3572,

 0.7722, 1.2346,

297.3667, 329.1588

1.4872

317.1394,
354.1169, 391.6122

■ 0.0000, 0.0897,
0.2083

■ 0.0000, 0.0000,
0.0000

■ 49.5163, 58.1282,
65.1100

■ 49.5163, 58.1282,
65.1100

■ 45.1007, 55.8941,
63.0641

■ 54.6557, 60.7377,
67.2281

■ 41.3696, 54.0106,
61.0846

■ 60.5459, 63.7318,
69.4160

■ 38.2876, 52.4610,
59.1708

■ 67.2184, 67.1285,
71.6768

■ 35.8141, 51.2242,
57.3208

■ 74.7018, 70.9424,
74.0120

■ 33.9039, 50.2771,
55.5321

■ 76.6881, 71.9216,
76.1264

■ 32.5054, 49.5930,
53.8022

■ 77.0824, 72.0794,
78.2031

■ 31.5575, 49.1404,
52.1280

■ 77.4839, 72.2400,
80.3172

■ 30.9518, 48.8631,
50.5193

■ 77.8925, 72.4034,
82.4687

■ 78.3082, 72.5697,
84.6578

Harmonies

Analogous

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



49.9655, 58.1282, 56.5922



49.5163, 58.1282, 65.1100



50.5560, 58.1282, 73.9058

Triad

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



49.5163, 58.1282, 65.1100



58.8406, 58.1282, 78.1655



57.7119, 58.1282, 48.9033

Complementary

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



49.5163, 58.1282, 65.1100



47.6581, 44.2114, 45.5594

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.



60.2241, 58.1282, 53.7459



49.5163, 58.1282, 65.1100



60.8926, 58.1282, 70.5002

Square

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



49.5163, 58.1282, 65.1100



55.8804, 58.1282, 81.8846



61.4082, 58.1282, 61.5076



54.6226, 58.1282, 47.7506

Rectangle

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



49.5163, 58.1282, 65.1100



51.9773, 58.1282, 78.5766



61.4082, 58.1282, 61.5076



58.6554, 58.1282, 50.1299

Sweetspot

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



49.5180, 58.1306, 65.1113



89.2933, 97.0728, 106.8034



47.0773, 57.3119, 45.1413



18.9841, 20.7123, 22.8120



0.0000, 0.0000, 0.0000



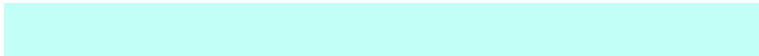
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5180, 58.1306, 65.1113



74.6303, 89.6323, 100.7603



46.8053, 51.5382, 67.8053



12.0827, 13.3768, 14.7918



19.1111, 30.1374, 31.2946



1.0890, 1.6932, 1.8571

Inverse Universe

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



47.6581, 44.2114, 45.5594



71.2128, 64.0448, 64.8255



49.9381, 49.6803, 43.5175



11.8766, 11.8354, 12.6259



16.3778, 8.4240, 1.6298



0.9384, 0.4801, 0.2106

Previews

White Background



This preview shows how the XYZ color 49.5163, 58.1282, 65.1100 looks on a white background.

Color Contrast Check

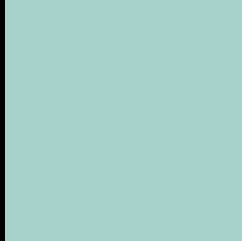
Large Text (above 18pt) WCAG AA × Fail

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 49.5163, 58.1282, 65.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

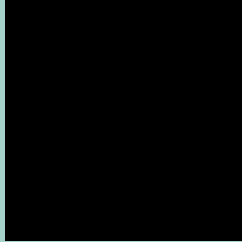
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

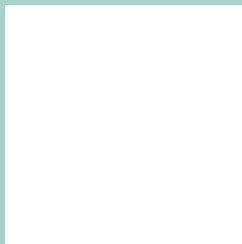
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5163, 58.1282, 65.1100

Background



This preview shows how black text looks on a background with the XYZ color 49.5163, 58.1282, 65.1100.

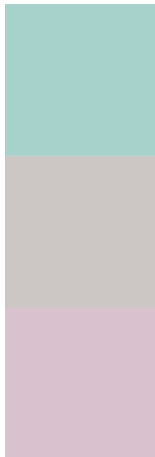


This preview shows how white text looks on a background with the XYZ color 49.5163, 58.1282,

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

49.5163, 58.1282, 65.1100

Protanopia

55.4033, 57.7154, 61.0434

Deuteranopia

59.0476, 57.7915, 66.4353



Tritanopia

52.0507, 58.0745, 77.5734

Trichromacy



Original Color

49.5163, 58.1282, 65.1100

Protanomaly

53.1506, 57.9118, 62.4096

Deuteranomaly

54.9961, 57.3967, 65.9377

Tritanomaly

51.1561, 58.0780, 72.8039

Monochromacy



Original Color

49.5163, 58.1282, 65.1100

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.2030, 56.2111, 62.1840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5163, 58.1282, 65.1100 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(167, 209, 203)` looks like.

```
.text, #text, p{  
    color:rgb(167, 209, 203)  
}
```

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(167, 209, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 209, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.5163, 58.1282, 65.1100 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(167, 209, 203) }
```


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

```
.border{ border-color:rgb(167, 209, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 209, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 209, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 209, 203);  
box-shadow:4px 4px 4px 4px rgb(167, 209,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5163, 58.1282, 65.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 209, 203) }
```

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

```
.background{ background-color: rgb(167,  
209, 203) }
```

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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