

Converting Colors

XYZ(49.9913, 58.8196, 65.0100)

Have a look what the booklet for
XYZ(49.9913, 58.8196, 65.0100)
contains.

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Color

**XYZ(49.9745, 58.7298,
65.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D2CB
RGB	168, 210, 203
RGB Percent	66%, 82%, 80%
CMY	0.3412, 0.1765, 0.2039
CMYK	0.20, 0.00, 0.03, 0.18
HSL	170°, 32%, 74%
HSV	170°, 20%, 82%
XYZ	49.9745, 58.7298, 65.2020
YIQ	196.6440, -22.7850, -11.0810

Conversions

Conversions Part 2

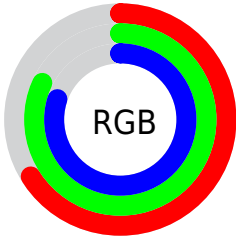
Format	Color
R _{YB}	168, 191, 210
Decimal	11064011
CIE _{Lab}	81.14, -15.16, -1.09
CIE _{LCh}	81, 15.200, 184.108
Y _{xy}	58.7298, 0.2874, 0.3377
Android (android.graphics.Color)	4289254091 (0xFFA8D2CB)
YUV	196.6440, 3.1335, -25.1208
Hunter-Lab	76.6354, -17.7107, 3.2003

Details

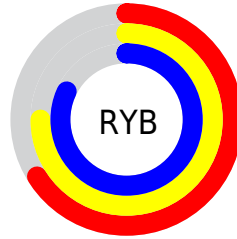
The XYZ color **49.9745, 58.7298, 65.2020** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3209, 44.8035, 46.6610**, and the grayscale version is **52.8492, 55.6014, 60.5500**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **24.2164, 29.2575, 32.8047** is the 20% darker color. If you saturate the color by 10%, you get **45.4475, 56.4453, 62.8376**, and if you desaturate by 10%, it is **55.2363, 61.3951, 67.6525**.

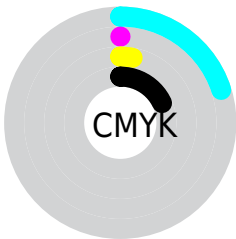
Distribution



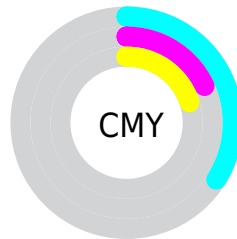
- Red (66%)
- Green (82%)
- Blue (80%)



- Red (66%)
- Yellow (75%)
- Blue (82%)



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



- Cyan (34%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9745, 58.7298, 65.2020 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 49.9745, 58.7298, 65.2020 by changing the saturation by 10% instead.

■ 49.9745, 58.7298,
65.2020

■ 49.9745, 58.7298,
65.2020

377.0198,
419.8999, 461.8436

■ 35.6109, 42.3956,
47.1725

■ 89.3291, 102.9849,
113.9563

■ 24.3025, 29.4112,
32.8167

■ 115.0508,
131.6745, 145.5181

■ 15.6841, 19.3921,
21.7161

145.2893,
165.2515, 182.4279

■ 9.3903, 11.9540,
13.4521

180.4098,
204.1002, 225.1040

■ 5.0558, 6.7123,
7.6062

220.7778,
248.6050, 273.9651

■ 2.3151, 3.2829,
3.7599

266.7585,

■ 0.8024, 1.2811,

299.1503, 329.4297

1.4946

318.7174,
356.1204, 391.9164

■ 0.0000, 0.1265,
0.2139

■ 0.0000, 0.0000,
0.0000

■ 49.9745, 58.7298,
65.2020

■ 49.9745, 58.7298,
65.2020

■ 45.4475, 56.4453,
62.8376

■ 55.2363, 61.3951,
67.6525

■ 41.6157, 54.5165,
60.5534

■ 61.2601, 64.4507,
70.1869

■ 38.4431, 52.9265,
58.3485

■ 68.0782, 67.9146,
72.8083

■ 35.8888, 51.6541,
56.2209

■ 75.7191, 71.8015,
75.5183

■ 33.9069, 50.6758,
54.1679

■ 77.2733, 72.5496,
77.9940

■ 32.4454, 49.9647,
52.1869

■ 77.7434, 72.7376,
80.4697

■ 31.4424, 49.4889,
50.2745

■ 78.2233, 72.9296,
82.9968

■ 30.7847, 49.1901,
48.4254

■ 78.7131, 73.1255,
85.5758

■ 79.2127, 73.3253,
88.2069

Harmonies

Analogous

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



50.5289, 58.7298, 56.6417



49.9745, 58.7298, 65.2020



50.9374, 58.7298, 74.2144

Triad

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



49.9745, 58.7298, 65.2020



59.2995, 58.7298, 79.4719



58.5177, 58.7298, 49.5287

Complementary

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



49.9745, 58.7298, 65.2020



48.3209, 44.8035, 46.6610

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.



61.0069, 58.7298, 54.6727



49.9745, 58.7298, 65.2020



61.4701, 58.7298, 71.8544

Square

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



49.9745, 58.7298, 65.2020



56.2575, 58.7298, 82.9308



62.1064, 58.7298, 62.7078



55.3866, 58.7298, 48.1063

Rectangle

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



49.9745, 58.7298, 65.2020



52.3324, 58.7298, 79.1129



62.1064, 58.7298, 62.7078



59.4611, 58.7298, 50.8544

Sweetspot

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



49.9762, 58.7322, 65.2033



89.2354, 97.0496, 106.4983



47.9530, 58.1180, 45.7372



18.9703, 20.7068, 22.7397



0.0000, 0.0000, 0.0000



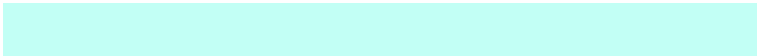
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9762, 58.7322, 65.2033



74.4072, 89.5430, 99.5853



47.6812, 52.7764, 68.6494



12.0702, 13.3718, 14.7261



18.8095, 30.0167, 29.7065



1.0747, 1.6876, 1.7823

Inverse Universe

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



48.3209, 44.8035, 46.6610



71.3868, 64.1144, 65.7417



50.2331, 49.7004, 43.9923



11.8880, 11.8399, 12.6861



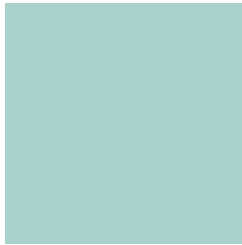
16.4227, 8.4419, 1.8662



0.9438, 0.4822, 0.2387

Previews

White Background



This preview shows how the XYZ color 49.9745, 58.7298, 65.2020 looks on a white background.

Color Contrast Check

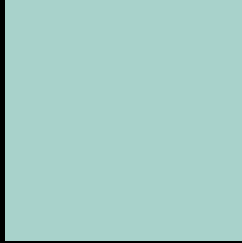
Large Text (above 18pt) WCAG AA × Fail

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 49.9745, 58.7298, 65.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

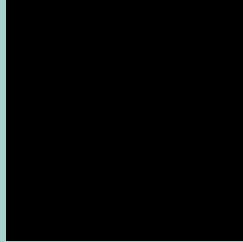
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

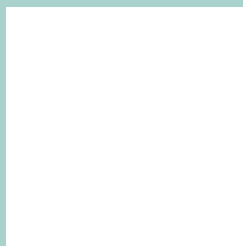
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9745, 58.7298, 65.2020

Background



This preview shows how black text looks on a background with the XYZ color 49.9745, 58.7298, 65.2020.



This preview shows how white text looks on a background with the XYZ color 49.9745, 58.7298,

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

49.9745, 58.7298, 65.2020

Protanopia

55.9092, 58.3189, 61.1333

Deuteranopia

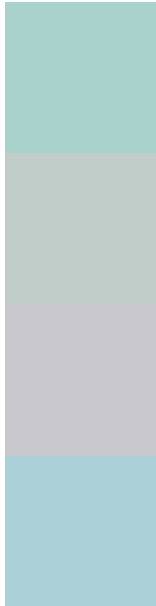
59.5691, 58.3919, 66.5236



Tritanopia

52.6454, 58.7240, 78.3722

Trichromacy



Original Color

49.9745, 58.7298, 65.2020

Protanomaly

53.6399, 58.5157, 62.5004

Deuteranomaly

55.4931, 57.9957, 66.0271

Tritanomaly

51.7451, 58.7275, 73.5740

Monochromacy



Original Color

49.9745, 58.7298, 65.2020

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.6790, 56.8037, 62.2733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9745, 58.7298, 65.2020 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(168, 210, 203)` looks like.

```
.text, #text, p{  
    color:rgb(168, 210, 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(168, 210, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 210, 203) }
```

Border

The CSS property to change the border of an element to XYZ 49.9745, 58.7298, 65.2020 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(168, 210, 203) }
```


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

```
.border{ border-color:rgb(168, 210, 203) }
```

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

Here you see how a box with a 4 pixel rgb(168, 210, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 210, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 210, 203);  
box-shadow:4px 4px 4px 4px rgb(168, 210,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9745, 58.7298, 65.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 210, 203) }
```

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

```
.background{ background-color: rgb(168,  
210, 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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