

Converting Colors

XYZ(50.4916, 59.0380, 63.4001)

Have a look what the booklet for
XYZ(50.4916, 59.0380, 63.4001)
contains.

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Color

**XYZ(50.4852, 59.0340,
63.3774)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD2C8
RGB	172, 210, 200
RGB Percent	67%, 82%, 78%
CMY	0.3255, 0.1765, 0.2157
CMYK	0.18, 0.00, 0.05, 0.18
HSL	164°, 30%, 75%
HSV	164°, 18%, 82%
XYZ	50.4852, 59.0340, 63.3774
YIQ	197.4980, -19.4380, -11.1660

Conversions

Conversions Part 2

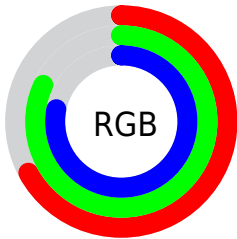
Format	Color
RYB	172, 194, 210
Decimal	11326152
CIELab	81.31, -14.51, 0.79
CIELCh	81, 14.534, 176.895
Yxy	59.0340, 0.2920, 0.3414
Android (android.graphics.Color)	4289516232 (0xFFACD2C8)
YUV	197.4980, 1.2335, -22.3617
Hunter-Lab	76.8336, -17.1714, 4.8772

Details

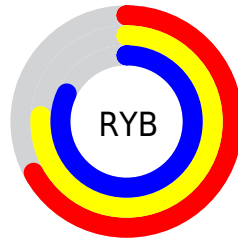
The XYZ color **50.4852, 59.0340, 63.3774** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7765, 46.5857, 50.6271**, and the grayscale version is **53.3746, 56.1542, 61.1519**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.5174, 29.4400, 31.5844** is the 20% darker color. If you saturate the color by 10%, you get **45.6014, 56.5912, 59.8381**, and if you desaturate by 10%, it is **56.1241, 61.8665, 67.0765**.

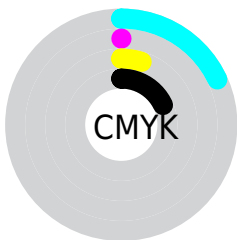
Distribution



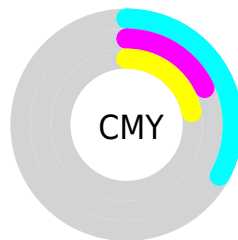
- Red (67%)
- Green (82%)
- Blue (78%)



- Red (67%)
- Yellow (76%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (33%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4852, 59.0340, 63.3774 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 50.4852, 59.0340, 63.3774 by changing the saturation by 10% instead.

■ 50.4852, 59.0340,
63.3774

■ 50.4852, 59.0340,
63.3774

378.9810,
421.0279, 455.0834

■ 36.0185, 42.6405,
45.7036

■ 90.0809, 103.4271,
111.3046

■ 24.6186, 29.6031,
31.6650

115.9405,
132.1954, 142.3952

■ 15.9204, 19.5376,
20.8431

146.3285,
165.8575, 178.7951

■ 9.5583, 12.0593,
12.8192

181.6102,
204.7978, 220.9228

■ 5.1671, 6.7841,
7.1749

222.1509,
249.4005, 269.1970

■ 2.3814, 3.3275,
3.4916

268.3161,

■ 0.8358, 1.3050,

300.0502, 324.0361

1.3508

320.4710,
357.1312, 385.8588

■ 0.0000, 0.1451,
0.1029

■ 0.0000, 0.0000,
0.0000

■ 50.4852, 59.0340,
63.3774

■ 50.4852, 59.0340,
63.3774

■ 45.6014, 56.5912,
59.8381

■ 56.1241, 61.8665,
67.0765

■ 41.4332, 54.5131,
56.4517

■ 62.5451, 65.0979,
70.9341

■ 37.9453, 52.7830,
53.2166

■ 69.7801, 68.7463,
74.9543

■ 35.0971, 51.3801,
50.1295

■ 77.4876, 72.6353,
79.1222

■ 32.8437, 50.2812,
47.1869

■ 78.2413, 72.9368,
83.0915

■ 31.1342, 49.4601,
44.3852

■ 79.0196, 73.2482,
87.1900

■ 29.9087, 48.8861,
41.7202

■ 79.8227, 73.5694,
91.4188

■ 29.0799, 48.5140,
39.1863

■ 80.6507, 73.9006,
95.7792

■ 28.9412, 48.4528,
38.7174

■ 81.5039, 74.2419,
100.2722

Harmonies

Analogous

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



51.3647, 59.0340, 55.5794



50.4852, 59.0340, 63.3774



51.0674, 59.0340, 72.1341

Triad

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



50.4852, 59.0340, 63.3774



58.7900, 59.0340, 80.3559



59.3563, 59.0340, 51.2762

Complementary

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



50.4852, 59.0340, 63.3774



49.7765, 46.5857, 50.6271

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.



61.4742, 59.0340, 57.0140



50.4852, 59.0340, 63.3774



61.1390, 59.0340, 73.8398

Square

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



50.4852, 59.0340, 63.3774



55.7947, 59.0340, 82.4419



62.1379, 59.0340, 65.1871



56.4266, 59.0340, 48.9996

Rectangle

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



50.4852, 59.0340, 63.3774



52.2180, 59.0340, 77.2612



62.1379, 59.0340, 65.1871



60.1908, 59.0340, 52.8374

Sweetspot

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



50.4869, 59.0365, 63.3787



89.9781, 97.4472, 105.8668



49.8178, 59.0357, 47.8001



19.1119, 20.7837, 22.5697



0.0000, 0.0000, 0.0000



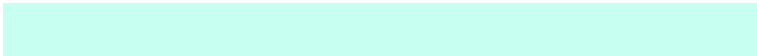
20.3446, 21.4041, 23.3091

Same Dimension

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



50.4869, 59.0365, 63.3787



75.0495, 89.9536, 96.0273



49.5657, 55.2615, 69.0298



12.0200, 13.3517, 14.4615



17.6962, 29.5714, 23.8441



1.0212, 1.6661, 1.5001

Inverse Universe

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



49.7765, 46.5857, 50.6271



73.7355, 66.8989, 72.4218



50.5235, 49.6755, 45.9562



11.9347, 11.8586, 12.9318



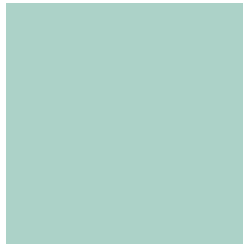
16.6727, 8.5419, 3.1825



0.9654, 0.4909, 0.3526

Previews

White Background



This preview shows how the XYZ color 50.4852, 59.0340, 63.3774 looks on a white background.

Color Contrast Check

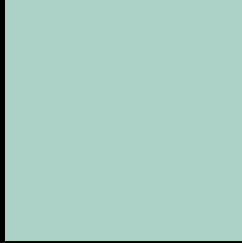
Large Text (above 18pt) WCAG AA × Fail

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 50.4852, 59.0340, 63.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

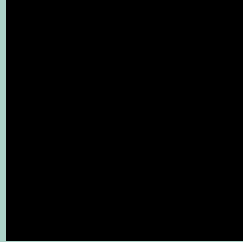
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

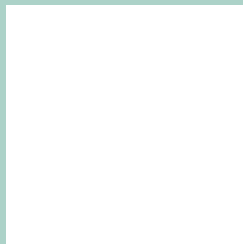
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.4852, 59.0340, 63.3774

Background



This preview shows how black text looks on a background with the XYZ color 50.4852, 59.0340, 63.3774.

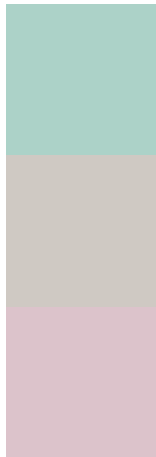


This preview shows how white text looks on a background with the XYZ color 50.4852, 59.0340,

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

50.4852, 59.0340, 63.3774

Protanopia

56.4691, 58.9788, 60.0376

Deuteranopia

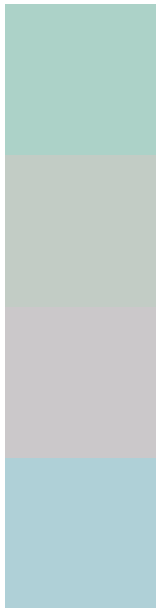
59.8098, 58.5577, 64.6504



Tritanopia

53.5366, 59.1835, 78.4139

Trichromacy



Original Color

50.4852, 59.0340, 63.3774

Protanomaly

53.9190, 58.6863, 61.3091

Deuteranomaly

55.9435, 58.2693, 64.1757

Tritanomaly

52.5008, 59.1320, 72.9365

Monochromacy



Original Color

50.4852, 59.0340, 63.3774

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.4156, 57.1834, 62.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4852, 59.0340, 63.3774 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(172, 210, 200)` looks like.

```
.text, #text, p{  
    color:rgb(172, 210, 200)  
}
```

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(172, 210, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 210, 200) }
```

Border

The CSS property to change the border of an element to XYZ 50.4852, 59.0340, 63.3774 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(172, 210, 200) }
```


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

```
.border{ border-color:rgb(172, 210, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 210, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 210, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 210, 200); box-shadow:4px 4px 4px 4px rgb(172, 210, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4852, 59.0340, 63.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 210, 200) }
```

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

```
.background{ background-color: rgb(172,  
210, 200) }
```

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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