

Converting Colors

XYZ(35.8907, 50.8104, 61.3355)

Have a look what the booklet for
XYZ(35.8907, 50.8104, 61.3355)
contains.

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Color

**XYZ(35.8908, 50.8087,
61.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	4ED0C6
RGB	78, 208, 198
RGB Percent	31%, 82%, 78%
CMY	0.6941, 0.1843, 0.2235
CMYK	0.62, 0.00, 0.05, 0.18
HSL	175°, 58%, 56%
HSV	175°, 62%, 82%
XYZ	35.8908, 50.8087, 61.3415
YIQ	167.9900, -74.2700, -30.6700

Conversions

Conversions Part 2

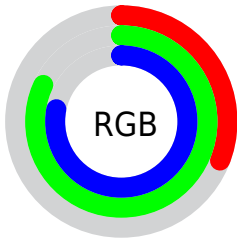
Format	Color
RYB	78, 146, 208
Decimal	5165254
CIELab	76.56, -37.58, -5.59
CIELCh	77, 37.995, 188.461
Yxy	50.8087, 0.2424, 0.3432
Android (android.graphics.Color)	4283355334 (0xFF4ED0C6)
YUV	167.9900, 14.7949, -78.9212
Hunter-Lab	71.2802, -34.8626, -1.1269

Details

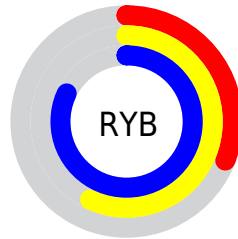
The XYZ color **35.8908, 50.8087, 61.3415** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.5000, 19.5647, 11.4031**, and the grayscale version is **37.1719, 39.1077, 42.5883**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **16.4253, 24.7961, 30.3060** is the 20% darker color. If you saturate the color by 10%, you get **34.2653, 49.9931, 60.3079**, and if you desaturate by 10%, it is **38.0600, 51.9067, 62.4130**.

Distribution



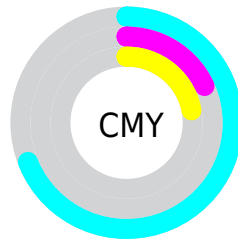
- Red (31%)
- Green (82%)
- Blue (78%)



- Red (31%)
- Yellow (57%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)



- Cyan (69%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8908, 50.8087, 61.3415 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 35.8908, 50.8087, 61.3415 by changing the saturation by 10% instead.

■ 35.8908, 50.8087,
61.3415

■ 35.8908, 50.8087,
61.3415

319.9226,
389.8201, 447.4662

■ 24.5196, 36.0564,
44.0685

■ 68.1885, 91.3719,
108.3356

■ 15.8463, 24.4777,
30.3868

■ 89.8456, 117.9516,
138.8937

■ 9.5056, 15.6884,
19.8778

■ 115.6621,
149.2426, 174.7174

■ 5.1322, 9.3039,
12.1230

■ 146.0034,
185.6292, 216.2250

■ 2.3606, 4.9399,
6.7040

181.2347,
227.4959, 263.8351

■ 0.8254, 2.2121,
3.2020

221.7214,

■ 0.0000, 0.7266,

275.2270, 317.9663

1.1987

267.8289,
329.2069, 379.0372

■ 0.0000, 0.0000,
0.0000

■ 35.8908, 50.8087,
61.3415

■ 35.8908, 50.8087,
61.3415

■ 34.2653, 49.9931,
60.3079

■ 38.0600, 51.9067,
62.4130

■ 33.1263, 49.4269,
59.3062

■ 40.8144, 53.3050,
63.5209

■ 32.4117, 49.0793,
58.3344

■ 44.1966, 55.0267,
64.6684

■ 32.0711, 48.9192,
57.6211

■ 48.2440, 57.0910,
65.8574

■ 52.9909, 59.5158,
67.0894

■ 58.4695, 62.3176,
68.3660

■ 64.7098, 65.5118,
69.6886

■ 71.7403, 69.1130,
71.0586

■ 75.7315, 71.1473,
72.2967

Harmonies

Analogous

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



36.5623, 50.8087, 42.0465



35.8908, 50.8087, 61.3415



38.2745, 50.8087, 83.7165

Triad

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



35.8908, 50.8087, 61.3415



57.3916, 50.8087, 92.3877



53.5366, 50.8087, 26.1072

Complementary

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



35.8908, 50.8087, 61.3415



30.5000, 19.5647, 11.4031

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.



59.9209, 50.8087, 34.2058



35.8908, 50.8087, 61.3415



62.2955, 50.8087, 71.1335

Square

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



35.8908, 50.8087, 61.3415



50.3506, 50.8087, 104.3299



63.2643, 50.8087, 49.7098



46.2906, 50.8087, 24.7206

Rectangle

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



35.8908, 50.8087, 61.3415



41.4289, 50.8087, 96.2927



63.2643, 50.8087, 49.7098



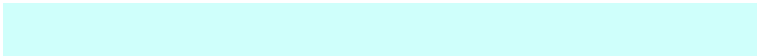
55.8743, 50.8087, 28.0173

Sweetspot

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



35.8923, 50.8106, 61.3427



78.8221, 91.7029, 105.0381



28.0365, 47.7794, 14.9535



16.4273, 19.4015, 22.3628



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.



35.8923, 50.8106, 61.3427



53.6287, 78.9099, 95.0651



26.0568, 29.2319, 63.9457



12.1175, 13.3907, 14.9751



20.0040, 30.4945, 35.9969



1.1304, 1.7098, 2.0756

Inverse Universe

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



30.5000, 19.5647, 11.4031



44.4512, 25.4554, 9.8659



35.6633, 30.5096, 11.2181



11.8451, 11.8228, 12.4602



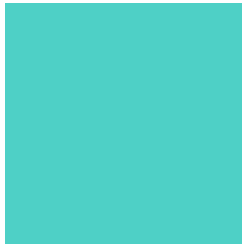
16.2847, 8.3867, 1.1395



0.9237, 0.4742, 0.1330

Previews

White Background



This preview shows how the XYZ color 35.8908, 50.8087, 61.3415 looks on a white background.

Color Contrast Check

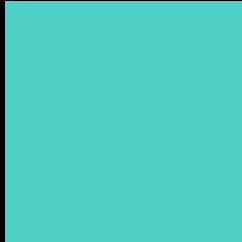
Large Text (above 18pt) WCAG AA × Fail

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 35.8908, 50.8087, 61.3415 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

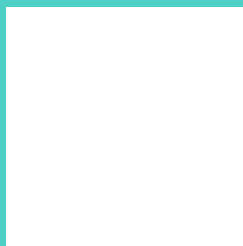
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8908, 50.8087, 61.3415

Background



This preview shows how black text looks on a background with the XYZ color 35.8908, 50.8087, 61.3415.

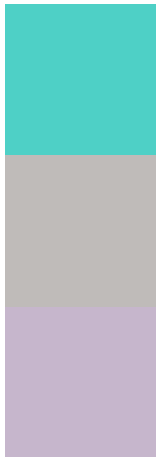


This preview shows how white text looks on a background with the XYZ color 35.8908, 50.8087,

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

35.8908, 50.8087, 61.3415

Protanopia

48.0131, 50.1198, 53.0425

Deuteranopia

50.9157, 49.8213, 64.0597



Tritanopia

38.9070, 50.9578, 76.1918

Trichromacy



Original Color

35.8908, 50.8087, 61.3415



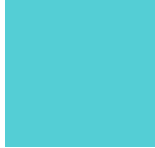
Protanomaly

41.3870, 49.2319, 56.0366



Deuteranomaly

42.6179, 48.3959, 62.9723



Tritanomaly

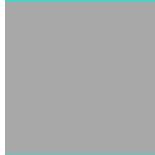
37.7377, 50.8315, 70.7733

Monochromacy



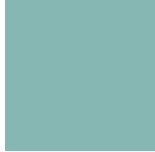
Original Color

35.8908, 50.8087, 61.3415



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

35.0618, 42.2725, 48.9593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8908, 50.8087, 61.3415 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(78, 208, 198)` looks like.

```
.text, #text, p{  
    color:rgb(78, 208, 198)  
}
```

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(78, 208, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 208, 198) }
```

Border

The CSS property to change the border of an element to XYZ 35.8908, 50.8087, 61.3415 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(78, 208, 198) }
```


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

```
.border{ border-color:rgb(78, 208, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 208, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 208, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 208, 198);  
box-shadow:4px 4px 4px 4px rgb(78, 208,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8908, 50.8087, 61.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 208, 198) }
```

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

```
.background{ background-color: rgb(78, 208,  
198) }
```

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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