

Converting Colors

XYZ(31.5056, 44.5086, 59.3535)

Have a look what the booklet for
XYZ(31.5056, 44.5086, 59.3535)
contains.

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Color

**XYZ(31.3911, 44.3352,
59.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	39C4C4
RGB	57, 196, 196
RGB Percent	22%, 77%, 77%
CMY	0.7764, 0.2314, 0.2314
CMYK	0.71, 0.00, 0.00, 0.23
HSL	180°, 55%, 50%
HSV	180°, 71%, 77%
XYZ	31.3911, 44.3352, 59.1276
YIQ	154.4390, -82.8440, -29.4680

Conversions

Conversions Part 2

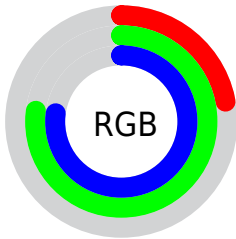
Format	Color
RYB	57, 127, 196
Decimal	3785924
CIELab	72.45, -35.64, -10.67
CIELCh	72, 37.205, 196.660
Yxy	44.3352, 0.2328, 0.3288
Android (android.graphics.Color)	4281976004 (0xFF39C4C4)
YUV	154.4390, 20.4896, -85.4540
Hunter-Lab	66.5847, -32.3700, -6.0406

Details

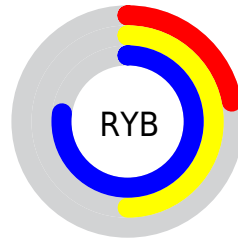
The XYZ color **31.3911, 44.3352, 59.1276** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.9681, 14.9589, 5.4438**, and the grayscale version is **30.8487, 32.4552, 35.3437**.

A 20% lighter version of the original color is **61.3123, 81.7024, 105.4671**, and **14.5555, 21.2990, 28.9351** is the 20% darker color. If you saturate the color by 10%, you get **30.4822, 43.8676, 59.0859**, and if you desaturate by 10%, it is **32.7338, 45.0283, 59.1916**.

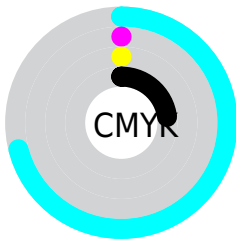
Distribution



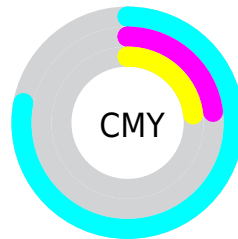
- Red (22%)
- Green (77%)
- Blue (77%)



- Red (22%)
- Yellow (50%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (78%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3911, 44.3352, 59.1276 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 31.3911, 44.3352, 59.1276 by changing the saturation by 10% instead.

■ 31.3911, 44.3352,
59.1276

■ 31.3911, 44.3352,
59.1276

300.1309,
364.0744, 439.0897

■ 21.0501, 30.9341,
42.2952

■ 61.2270, 81.7219,
105.0940

■ 13.2733, 20.5487,
29.0052

■ 81.4526, 106.4763,
135.0651

■ 7.6953, 12.7945,
18.8391

■ 105.7037,
135.7839, 170.2528

■ 3.9508, 7.2872,
11.3785

■ 134.3459,
170.0292, 211.0757

■ 1.6743, 3.6424,
6.2046

■ 167.7443,
209.5965, 257.9523

■ 0.4401, 1.4756,
2.8991

206.2644,

■ 0.0000, 0.2714,

254.8702, 311.3011

1.0434

250.2714,
306.2347, 371.5407

■ 0.0000, 0.0000,
0.0000

■ 31.3911, 44.3352,
59.1276

■ 31.3911, 44.3352,
59.1276

■ 30.4822, 43.8676,
59.0859

■ 32.7338, 45.0283,
59.1916

■ 29.9504, 43.5935,
59.0609

■ 34.5506, 45.9650,
59.2767

■ 29.7045, 43.4667,
59.0493

■ 36.8819, 47.1668,
59.3859

■ 39.7626, 48.6518,
59.5209

■ 43.2244, 50.4365,
59.6830

■ 47.2968, 52.5359,
59.8737

■ 52.0073, 54.9642,
60.0943

■ 57.3815, 57.7347,
60.3459

■ 63.4439, 60.8600,
60.6298

Harmonies

Analogous

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



31.2393, 44.3352, 40.5719



31.3911, 44.3352, 59.1276



34.2268, 44.3352, 78.7984

Triad

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



31.3911, 44.3352, 59.1276



51.7634, 44.3352, 76.8087



45.0502, 44.3352, 21.4108

Complementary

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



31.3911, 44.3352, 59.1276



24.9681, 14.9589, 5.4438

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.



51.1859, 44.3352, 26.8672



31.3911, 44.3352, 59.1276



55.3188, 44.3352, 56.8928

Square

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



31.3911, 44.3352, 59.1276



45.7759, 44.3352, 90.6485



55.0973, 44.3352, 38.8363



38.7005, 44.3352, 21.7204

Rectangle

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



31.3911, 44.3352, 59.1276



37.4383, 44.3352, 88.5223



55.0973, 44.3352, 38.8363



47.2182, 44.3352, 22.5577

Sweetspot

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



31.3924, 44.3369, 59.1287



78.0185, 91.2199, 108.1024



22.3024, 40.7165, 10.5558



16.3020, 19.3201, 23.1198



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.



31.3924, 44.3369, 59.1287



54.6182, 79.1567, 107.0058



19.4790, 20.5097, 55.1584



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9406



0.8246, 1.2067, 1.6393

Inverse Universe

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



24.9681, 14.9589, 5.4438



42.2951, 22.8038, 4.0275



30.7359, 26.4946, 7.3662



10.0732, 10.0779, 10.4762



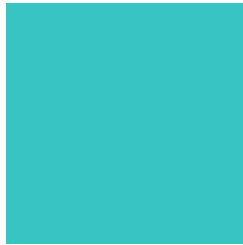
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 31.3911, 44.3352, 59.1276 looks on a white background.

Color Contrast Check

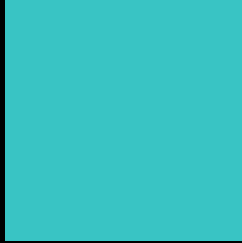
Large Text (above 18pt) WCAG AA × Fail

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 31.3911, 44.3352, 59.1276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

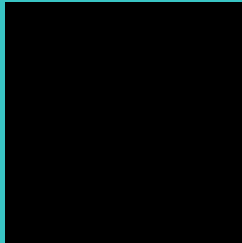
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

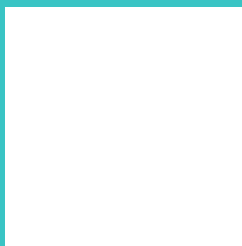
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3911, 44.3352, 59.1276

Background



This preview shows how black text looks on a background with the XYZ color 31.3911, 44.3352, 59.1276.

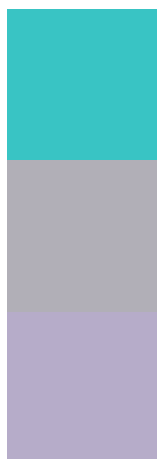


This preview shows how white text looks on a background with the XYZ color 31.3911, 44.3352,

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

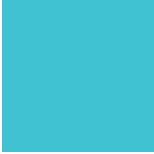
31.3911, 44.3352, 59.1276

Protanopia

42.0087, 43.4260, 50.9677

Deuteranopia

44.5865, 43.6672, 61.3370



Tritanopia

33.1046, 44.3605, 67.7904

Trichromacy



Original Color

31.3911, 44.3352, 59.1276



Protanomaly

35.6835, 42.4844, 53.8965



Deuteranomaly

37.1492, 42.4896, 60.2762



Tritanomaly

32.5212, 44.4621, 64.6256

Monochromacy



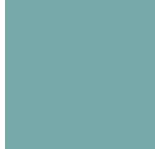
Original Color

31.3911, 44.3352, 59.1276



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.9571, 35.1624, 42.7969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3911, 44.3352, 59.1276 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(57, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(57, 196, 196)  
}
```

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(57, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.3911, 44.3352, 59.1276 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(57, 196, 196) }
```


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

```
.border{ border-color:rgb(57, 196, 196) }
```

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

Here you see how a box with a 4 pixel rgb(57, 196, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(57, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3911, 44.3352, 59.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 196, 196) }
```

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

```
.background{ background-color: rgb(57, 196,  
196) }
```

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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