

Converting Colors

XYZ(39.3306, 55.1745, 69.5536)

Have a look what the booklet for
XYZ(39.3306, 55.1745, 69.5536)
contains.

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Color

**XYZ(39.2416, 54.9595,
69.5128)**

Conversions

Conversions Part 1

Format	Color
Hex	50D7D2
RGB	80, 215, 210
RGB Percent	31%, 84%, 82%
CMY	0.6862, 0.1568, 0.1765
CMYK	0.63, 0.00, 0.02, 0.16
HSL	178°, 63%, 58%
HSV	178°, 63%, 84%
XYZ	39.2416, 54.9595, 69.5128
YIQ	174.0650, -78.8550, -30.1750

Conversions

Conversions Part 2

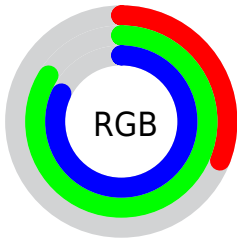
Format	Color
RYB	80, 149, 215
Decimal	5298130
CIELab	79.02, -37.25, -8.39
CIELCh	79, 38.182, 192.691
Yxy	54.9595, 0.2397, 0.3357
Android (android.graphics.Color)	4283488210 (0xFF50D7D2)
YUV	174.0650, 17.7160, -82.4950
Hunter-Lab	74.1347, -35.2505, -3.6993

Details

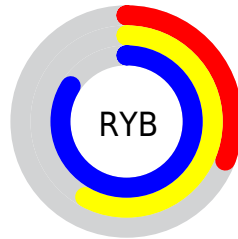
The XYZ color **39.2416, 54.9595, 69.5128** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.5346, 20.8420, 10.9044**, and the grayscale version is **40.2082, 42.3021, 46.0670**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **18.5716, 27.5419, 35.7898** is the 20% darker color. If you saturate the color by 10%, you get **37.6099, 54.1310, 68.9208**, and if you desaturate by 10%, it is **41.4577, 56.0917, 70.1372**.

Distribution



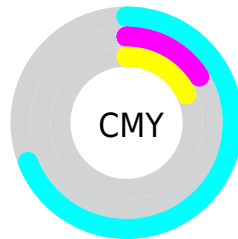
- Red (31%)
- Green (84%)
- Blue (82%)



- Red (31%)
- Yellow (58%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (69%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2416, 54.9595, 69.5128 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 39.2416, 54.9595, 69.5128 by changing the saturation by 10% instead.

■ 39.2416, 54.9595,
69.5128

■ 39.2416, 54.9595,
69.5128

334.1061,
405.7584, 477.5803

■ 27.1293, 39.3693,
50.6551

■ 73.2990, 97.4816,
120.1883

■ 17.8074, 27.0471,
35.5594

■ 95.9747, 125.1823,
152.8432

■ 10.9107, 17.6086,
23.8071

■ 122.9024,
157.6886, 190.9342

■ 6.0737, 10.6694,
14.9797

■ 154.4473,
195.3850, 234.8799

■ 2.9310, 5.8450,
8.6587

190.9747,
238.6557, 285.0988

■ 1.1174, 2.7510,
4.4255

232.8501,

■ 0.0396, 1.0032,

287.8853, 342.0095

1.8615

280.4388,
343.4580, 406.0305

■ 0.0000, 0.0000,
0.4681

■ 0.0000, 0.0000,
0.0000

■ 39.2416, 54.9595,
69.5128

■ 39.2416, 54.9595,
69.5128

■ 37.6099, 54.1310,
68.9208

■ 41.4577, 56.0917,
70.1372

■ 36.5000, 53.5702,
68.3546

■ 44.3034, 57.5472,
70.7924

■ 35.8441, 53.2434,
67.8122

■ 47.8250, 59.3510,
71.4818

■ 35.5683, 53.1094,
67.4318

■ 52.0631, 61.5242,
72.2073

■ 57.0552, 64.0860,
72.9707

■ 62.8361, 67.0543,
73.7737

■ 69.4384, 70.4461,
74.6176

■ 76.8930, 74.2772,
75.5041

■ 78.0879, 74.8812,
76.1002

Harmonies

Analogous

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



39.4939, 54.9595, 48.2364



39.2416, 54.9595, 69.5128



42.2180, 54.9595, 92.9314

Triad

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



39.2416, 54.9595, 69.5128



62.7828, 54.9595, 96.1645



56.7057, 54.9595, 28.1245

Complementary

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



39.2416, 54.9595, 69.5128



32.5346, 20.8420, 10.9044

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.



63.7283, 54.9595, 35.7184



39.2416, 54.9595, 69.5128



67.4637, 54.9595, 73.1731

Square

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



39.2416, 54.9595, 69.5128



55.5133, 54.9595, 110.6447



67.8256, 54.9595, 51.1117



49.0929, 54.9595, 27.6004

Rectangle

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



39.2416, 54.9595, 69.5128



45.8173, 54.9595, 105.2500



67.8256, 54.9595, 51.1117



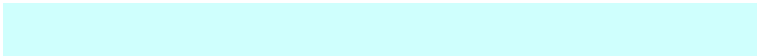
59.2308, 54.9595, 29.8314

Sweetspot

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



39.2432, 54.9616, 69.5141



79.1289, 91.8256, 106.6533



29.6574, 51.1964, 15.9097



16.5027, 19.4317, 22.7597



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.



39.2432, 54.9616, 69.5141



54.7881, 79.3736, 101.1700



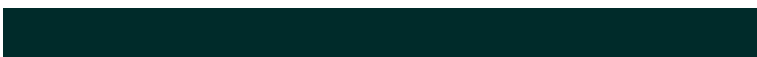
27.1728, 29.8078, 68.6135



12.7714, 14.0996, 15.8765



21.2825, 31.7683, 40.3788



1.2900, 1.9187, 2.4689

Inverse Universe

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



32.5346, 20.8420, 10.9044



44.1914, 25.3515, 8.4979



38.9624, 34.0046, 12.1009



12.4417, 12.4282, 13.0003



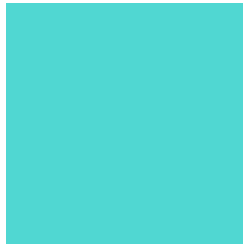
16.7966, 8.6550, 0.9671



1.0198, 0.5247, 0.0937

Previews

White Background



This preview shows how the XYZ color 39.2416, 54.9595, 69.5128 looks on a white background.

Color Contrast Check

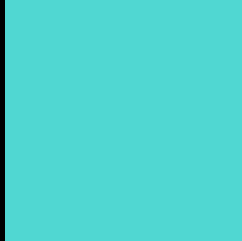
Large Text (above 18pt) WCAG AA × Fail

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 39.2416, 54.9595, 69.5128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

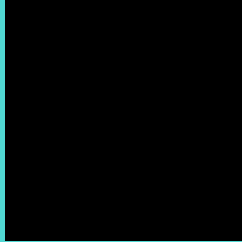
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

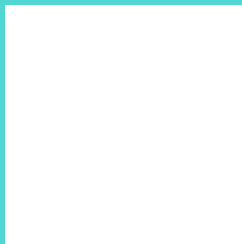
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.2416, 54.9595, 69.5128

Background



This preview shows how black text looks on a background with the XYZ color 39.2416, 54.9595, 69.5128.

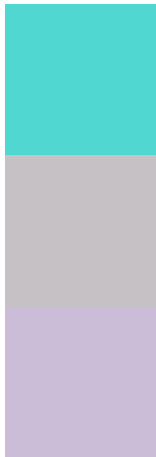


This preview shows how white text looks on a background with the XYZ color 39.2416, 54.9595,

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

39.2416, 54.9595, 69.5128

Protanopia

52.1740, 54.0415, 60.5045

Deuteranopia

55.2209, 54.0496, 72.4879



Tritanopia

41.8062, 54.8680, 82.5159

Trichromacy



Original Color

39.2416, 54.9595, 69.5128



Protanomaly

44.8737, 52.9076, 63.7242



Deuteranomaly

46.4322, 52.5123, 71.3070



Tritanomaly

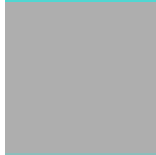
40.8168, 54.8409, 77.5413

Monochromacy



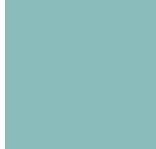
Original Color

39.2416, 54.9595, 69.5128



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

37.9825, 45.5585, 53.8055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2416, 54.9595, 69.5128 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(80, 215, 210)` looks like.

```
.text, #text, p{  
    color:rgb(80, 215, 210)  
}
```

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(80, 215, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 215, 210) }
```

Border

The CSS property to change the border of an element to XYZ 39.2416, 54.9595, 69.5128 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(80, 215, 210) }
```


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

```
.border{ border-color:rgb(80, 215, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 215, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 215, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 215, 210);  
box-shadow:4px 4px 4px 4px rgb(80, 215,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2416, 54.9595, 69.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 215, 210) }
```

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

```
.background{ background-color: rgb(80, 215,  
210) }
```

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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