

Converting Colors

XYZ(39.5968, 59.6743, 57.2277)

Have a look what the booklet for
XYZ(39.5968, 59.6743, 57.2277)
contains.

XYZ(39.5817, 59.7290, 57.0196)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5817, 59.7290,
57.0196)**

Conversions

Conversions Part 1

Format	Color
Hex	50E2BC
RGB	80, 226, 188
RGB Percent	31%, 89%, 74%
CMY	0.6863, 0.1137, 0.2627
CMYK	0.65, 0.00, 0.17, 0.11
HSL	164°, 72%, 60%
HSV	164°, 65%, 89%
XYZ	39.5817, 59.7290, 57.0196
YIQ	178.0140, -74.8180, -42.7700

Conversions

Conversions Part 2

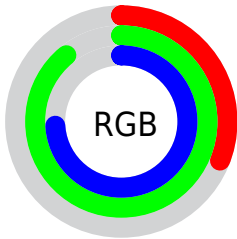
Format	Color
RYB	80, 164, 226
Decimal	5300924
CIELab	81.69, -47.70, 7.22
CIElCh	82, 48.241, 171.387
Yxy	59.7290, 0.2532, 0.3821
Android (android.graphics.Color)	4283491004 (0xFF50E2BC)
YUV	178.0140, 4.9231, -85.9583
Hunter-Lab	77.2845, -43.8282, 10.3557

Details

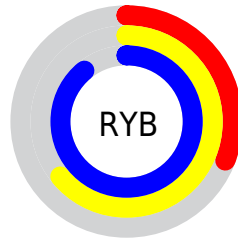
The XYZ color **39.5817, 59.7290, 57.0196** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.5047, 23.2156, 19.6461**, and the grayscale version is **42.3290, 44.5335, 48.4969**.

A 20% lighter version of the original color is **63.5907, 83.9809, 98.4463**, and **18.7479, 30.4987, 27.8204** is the 20% darker color. If you saturate the color by 10%, you get **37.3637, 58.6589, 53.6736**, and if you desaturate by 10%, it is **42.4704, 61.1449, 60.5346**.

Distribution



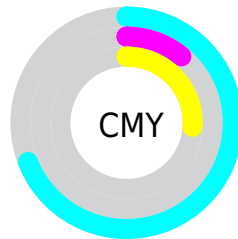
- Red (31%)
- Green (89%)
- Blue (74%)



- Red (31%)
- Yellow (64%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)



- Cyan (69%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5817, 59.7290, 57.0196 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 39.5817, 59.7290, 57.0196 by changing the saturation by 10% instead.

 39.5817, 59.7290,
57.0196


 39.5817, 59.7290,
57.0196


335.5221,
423.5982, 431.0185


 27.3953, 43.2002,
40.6115


 73.8145, 104.4364,
101.9944


 18.0085, 30.0423,
27.6982


 96.5917, 133.3839,
131.3982

 11.0558, 19.8707,
17.8613

 123.6298,
167.2398, 165.9710

 6.1719, 12.3011,
10.6820

 155.2942,
206.3884, 206.1313

 2.9916, 6.9491,
5.7420

191.9502,
251.2141, 252.2977

 1.1493, 3.4303,
2.6226

233.9634,

 0.0658, 1.3603,

302.1014, 304.8886

0.9041

281.6988,
359.4346, 364.3227

■ 0.0000, 0.1872,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5817, 59.7290,
57.0196

■ 39.5817, 59.7290,
57.0196

■ 37.3637, 58.6589,
53.6736

■ 42.4704, 61.1449,
60.5346

■ 35.7438, 57.8926,
50.4876


■ 46.0830, 62.9295,
64.2187


■ 34.6411, 57.3901,
47.4575


■ 50.4732, 65.1118,
68.0773


■ 34.1888, 57.1913,
45.8822


■ 55.6877, 67.7161,
72.1140

 61.7700, 70.7645,
76.3323

 68.7599, 74.2777,
80.7356

 76.6952, 78.2751,
85.3272

 83.4419, 81.6565,
90.0084

 84.3064, 82.0023,
94.5611

Harmonies

Analogous

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



42.8487, 59.7290, 36.0238



39.5817, 59.7290, 57.0196



40.4717, 59.7290, 87.6142

Triad

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



39.5817, 59.7290, 57.0196



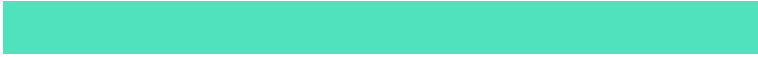
64.1871, 59.7290, 132.1769



69.8385, 59.7290, 30.4142

Complementary

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



39.5817, 59.7290, 57.0196



37.5047, 23.2156, 19.6461

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.



76.9458, 59.7290, 46.7117



39.5817, 59.7290, 57.0196



73.4221, 59.7290, 106.5118

Square

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



39.5817, 59.7290, 57.0196



53.8983, 59.7290, 137.4070



78.3300, 59.7290, 73.7678



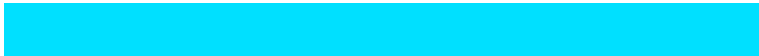
59.7433, 59.7290, 23.9538

Rectangle

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



39.5817, 59.7290, 57.0196



43.3539, 59.7290, 109.4162



78.3300, 59.7290, 73.7678



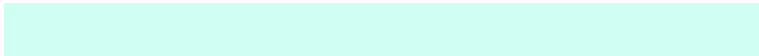
72.7039, 59.7290, 34.6445

Sweetspot

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



39.5834, 59.7313, 57.0210



77.4521, 91.1549, 97.8235



36.2448, 58.8916, 17.0474



16.0921, 19.2675, 20.5979



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.



39.5834, 59.7313, 57.0210



48.2032, 76.6863, 68.9040



35.8726, 44.8687, 78.7240



13.9562, 15.5082, 16.8048



19.5550, 32.6469, 26.4434



1.3914, 2.2773, 2.0224

Inverse Universe

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



37.5047, 23.2156, 19.6461



45.3590, 25.1780, 16.6207



38.8387, 28.7994, 11.1023



13.8529, 13.7588, 14.9958



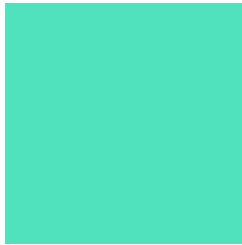
18.3824, 9.4199, 3.4133



1.3104, 0.6674, 0.4275

Previews

White Background



This preview shows how the XYZ color 39.5817, 59.7290, 57.0196 looks on a white background.

Color Contrast Check

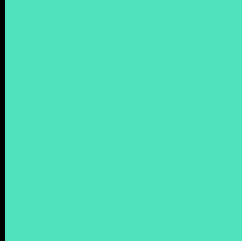
Large Text (above 18pt) WCAG AA × Fail

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 39.5817, 59.7290, 57.0196 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

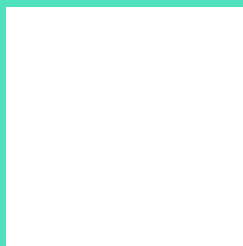
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5817, 59.7290, 57.0196

Background



This preview shows how black text looks on a background with the XYZ color 39.5817, 59.7290, 57.0196.

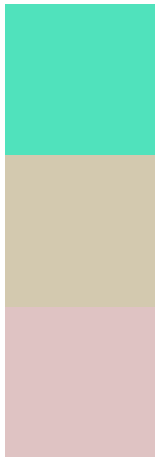


This preview shows how white text looks on a background with the XYZ color 39.5817, 59.7290,

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

39.5817, 59.7290, 57.0196

Protanopia

55.4885, 58.7173, 48.9665

Deuteranopia

59.7969, 58.6583, 59.8003



Tritanopia

45.8731, 59.4868, 89.1851

Trichromacy



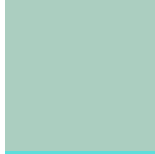
Original Color

39.5817, 59.7290, 57.0196



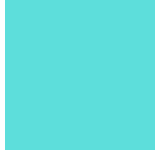
Protanomaly

46.3891, 57.1750, 51.7709



Deuteranomaly

48.3803, 56.6063, 58.2454



Tritanomaly

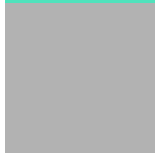
43.4217, 59.6842, 76.2495

Monochromacy



Original Color

39.5817, 59.7290, 57.0196



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.1139, 48.1584, 51.4899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5817, 59.7290, 57.0196 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, 226, 188)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 188)  
}
```

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, 226, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 188) }
```

Border

The CSS property to change the border of an element to XYZ 39.5817, 59.7290, 57.0196 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, 226, 188) }
```


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

```
.border{ border-color:rgb(80, 226, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 188);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5817, 59.7290, 57.0196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 188) }
```

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

```
.background{ background-color: rgb(80, 226,  
188) }
```

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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