

Converting Colors

XYZ(35.9331, 55.4122, 58.9931)

Have a look what the booklet for
XYZ(35.9331, 55.4122, 58.9931)
contains.

XYZ(35.9818, 55.4300, 59.2547)	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(35.9818, 55.4300,
59.2547)**

Conversions

Conversions Part 1

Format	Color
Hex	25DCC1
RGB	37, 220, 193
RGB Percent	15%, 86%, 76%
CMY	0.8548, 0.1372, 0.2431
CMYK	0.83, 0.00, 0.12, 0.14
HSL	171°, 72%, 50%
HSV	171°, 83%, 86%
XYZ	35.9818, 55.4300, 59.2547
YIQ	162.2050, -100.4010, -47.1930

Conversions

Conversions Part 2

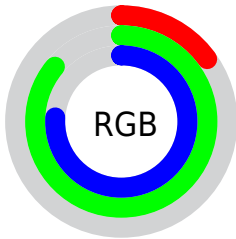
Format	Color
RYB	37, 136, 220
Decimal	2481345
CIELab	79.29, -49.02, 1.00
CIELCh	79, 49.033, 178.827
Yxy	55.4300, 0.2388, 0.3679
Android (android.graphics.Color)	4280671425 (0xFF25DCC1)
YUV	162.2050, 15.1819, -109.8048
Hunter-Lab	74.4513, -44.0220, 4.9279

Details

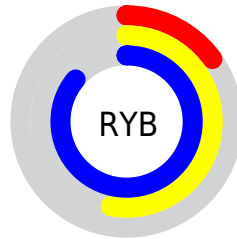
The XYZ color **35.9818, 55.4300, 59.2547** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed cyan. A complement of this color would be **31.1041, 16.9105, 6.4775**, and the grayscale version is **34.4061, 36.1979, 39.4195**.

A 20% lighter version of the original color is **60.3301, 82.2111, 102.3111**, and **18.0091, 28.4444, 29.3521** is the 20% darker color. If you saturate the color by 10%, you get **35.0589, 54.9969, 57.3428**, and if you desaturate by 10%, it is **37.3907, 56.1153, 61.2333**.

Distribution



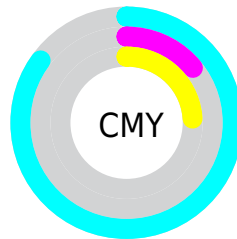
- Red (15%)
- Green (86%)
- Blue (76%)



- Red (15%)
- Yellow (53%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (12%)
- Black (14%)





- Cyan (85%)
- Magenta (14%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9818, 55.4300, 59.2547 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 35.9818, 55.4300, 59.2547 by changing the saturation by 10% instead.


 35.9818, 55.4300,
59.2547


 35.9818, 55.4300,
59.2547


320.3136,
407.5398, 439.5733


 24.5902, 39.7461,
42.3968


 68.3280, 98.1707,
105.2805


 15.8991, 27.3406,
29.0843


 90.0134, 125.9963,
135.2855


 9.5432, 17.8292,
18.8984


 115.8606,
158.6379, 170.5100

 5.1571, 10.8274,
11.4208

 146.2352,
196.4799, 211.3725

 2.3754, 5.9509,
6.2329

 181.5024,
239.9067, 258.2915

 0.8328, 2.8153,
2.9162

222.0277,

 0.0000, 1.0361,

289.3027, 311.6856

1.0520

268.1763,
345.0523, 371.9734

■ 0.0000, 0.0000,
0.0000

■ 35.9818, 55.4300,
59.2547

■ 35.9818, 55.4300,
59.2547

■ 35.0589, 54.9969,
57.3428

■ 37.3907, 56.1153,
61.2333

■ 34.6217, 54.7992,
56.0699

■ 39.3550, 57.0847,
63.2785

■ 41.9380, 58.3721,
65.3946

■ 45.1928, 60.0050,
67.5845

■ 49.1671, 62.0077,
69.8506

■ 53.9040, 64.4027,
72.1951

■ 59.4434, 67.2104,
74.6202

■ 65.8221, 70.4499,
77.1278

■ 73.0749, 74.1390,
79.7199

Harmonies

Analogous

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



38.1331, 55.4300, 36.4811



35.9818, 55.4300, 59.2547



37.8227, 55.4300, 90.3393

Triad

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



35.9818, 55.4300, 59.2547



62.3163, 55.4300, 121.1533



63.0673, 55.4300, 24.9196

Complementary

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



35.9818, 55.4300, 59.2547



31.1041, 16.9105, 6.4775

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.



71.0042, 55.4300, 37.8676



35.9818, 55.4300, 59.2547



70.5341, 55.4300, 92.8690

Square

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



35.9818, 55.4300, 59.2547



52.2994, 55.4300, 132.1062



73.8906, 55.4300, 61.4665



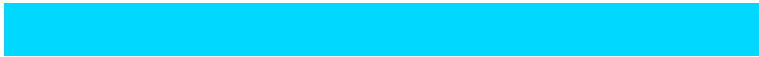
53.0716, 55.4300, 20.8443

Rectangle

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



35.9818, 55.4300, 59.2547



41.2134, 55.4300, 110.8530



73.8906, 55.4300, 61.4665



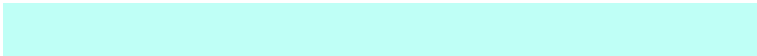
66.1083, 55.4300, 28.1312

Sweetspot

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



35.9834, 55.4321, 59.2560



73.8809, 89.2577, 100.1962



28.0728, 52.4274, 10.3913



15.3019, 18.8460, 21.1967



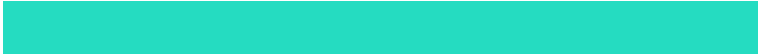
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.9834, 55.4321, 59.2560



48.3329, 76.5492, 78.1280



25.5634, 29.3236, 72.0252



13.3580, 14.7948, 16.3479



20.3509, 32.1730, 33.0769



1.3414, 2.0935, 2.2639

Inverse Universe

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



31.1041, 16.9105, 6.4775



41.5839, 21.3975, 3.7408



34.5099, 24.6689, 4.6941



13.1339, 13.0827, 13.9666



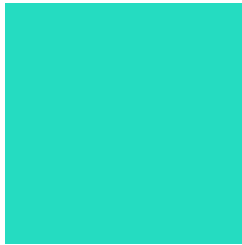
17.5040, 9.0027, 1.7684



1.1593, 0.5934, 0.2479

Previews

White Background



This preview shows how the XYZ color 35.9818, 55.4300, 59.2547 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 35.9818, 55.4300, 59.2547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

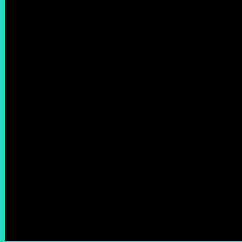
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

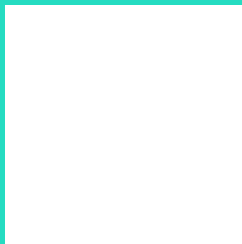
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9818, 55.4300, 59.2547

Background



This preview shows how black text looks on a background with the XYZ color 35.9818, 55.4300, 59.2547.

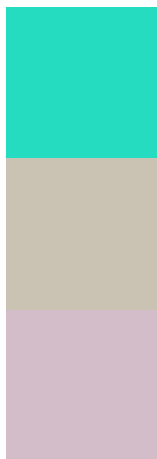


This preview shows how white text looks on a background with the XYZ color 35.9818, 55.4300,

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

35.9818, 55.4300, 59.2547

Protanopia

51.7856, 54.3948, 50.4177

Deuteranopia

55.4869, 54.4142, 62.2221



Tritanopia

40.9268, 55.1126, 84.8247

Trichromacy



Original Color

35.9818, 55.4300, 59.2547



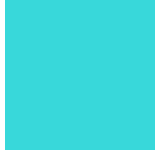
Protanomaly

41.1630, 51.9233, 53.2001



Deuteranomaly

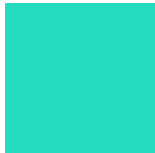
42.9451, 51.6357, 60.5266



Tritanomaly

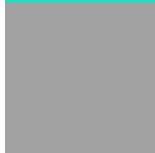
38.8416, 55.0144, 74.9013

Monochromacy



Original Color

35.9818, 55.4300, 59.2547



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.8124, 40.6660, 45.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9818, 55.4300, 59.2547 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(37, 220, 193)` looks like.

```
.text, #text, p{  
    color:rgb(37, 220, 193)  
}
```

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(37, 220, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 220, 193) }
```

Border

The CSS property to change the border of an element to XYZ 35.9818, 55.4300, 59.2547 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(37, 220, 193) }
```


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

```
.border{ border-color:rgb(37, 220, 193) }
```

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

Here you see how a box with a 4 pixel rgb(37, 220, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 220, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 220, 193);  
box-shadow:4px 4px 4px 4px rgb(37, 220,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9818, 55.4300, 59.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 220, 193) }
```

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

```
.background{ background-color: rgb(37, 220,  
193) }
```

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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