

Converting Colors

XYZ(36.1235, 53.1719, 49.6484)

Have a look what the booklet for
XYZ(36.1235, 53.1719, 49.6484)
contains.

XYZ(35.9451, 52.9472, 49.3996)	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(35.9451, 52.9472,
49.3996)**

Conversions

Conversions Part 1

Format	Color
Hex	5BD5B0
RGB	91, 213, 176
RGB Percent	36%, 84%, 69%
CMY	0.6431, 0.1647, 0.3098
CMYK	0.57, 0.00, 0.17, 0.16
HSL	162°, 59%, 60%
HSV	162°, 57%, 84%
XYZ	35.9451, 52.9472, 49.3996
YIQ	172.3040, -60.8350, -37.3710

Conversions

Conversions Part 2

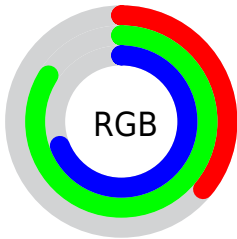
Format	Color
RYB	91, 163, 213
Decimal	6018480
CIELab	77.84, -42.92, 8.12
CIELCh	78, 43.681, 169.287
Yxy	52.9472, 0.2599, 0.3829
Android (android.graphics.Color)	4284208560 (0xFF5BD5B0)
YUV	172.3040, 1.8221, -71.3036
Hunter-Lab	72.7648, -39.1612, 10.6838

Details

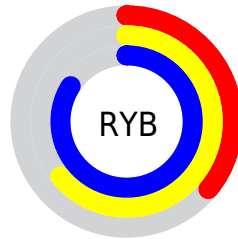
The XYZ color **35.9451, 52.9472, 49.3996** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.0797, 23.1882, 23.0510**, and the grayscale version is **39.3811, 41.4320, 45.1194**.

A 20% lighter version of the original color is **63.0880, 83.9255, 89.2181**, and **15.9901, 25.9735, 23.2394** is the 20% darker color. If you saturate the color by 10%, you get **33.5120, 51.7663, 46.0288**, and if you desaturate by 10%, it is **39.0074, 54.4516, 52.9610**.

Distribution



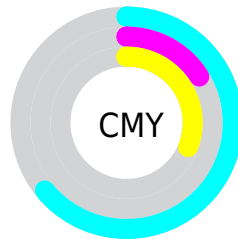
- Red (36%)
- Green (84%)
- Blue (69%)



- Red (36%)
- Yellow (64%)
- Blue (84%)



- Cyan (57%)
- Magenta (0%)
- Yellow (17%)
- Black (16%)





- Cyan (64%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9451, 52.9472, 49.3996 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 35.9451, 52.9472, 49.3996 by changing the saturation by 10% instead.


 35.9451, 52.9472,
49.3996


 35.9451, 52.9472,
49.3996


320.1559,
398.0825, 400.9809


 24.5617, 37.7606,
34.5687


 68.2717, 94.5267,
90.6718


 15.8778, 25.7970,
23.0500


 89.9457, 121.6883,
117.9502

 9.5280, 16.6718,
14.4248


 115.7806,
153.6105, 150.2148

 5.1470, 10.0008,
8.2746

 146.1417,
190.6776, 187.8843

 2.3694, 5.3995,
4.1809

181.3945,
233.2739, 231.3771

 0.8298, 2.4835,
1.7251

221.9042,

 0.0000, 0.8684,

281.7839, 281.1118

0.3778

268.0362,
336.5920, 337.5069

■ 0.0000, 0.0000,
0.0000

■ 35.9451, 52.9472,
49.3996

■ 35.9451, 52.9472,
49.3996

■ 33.5120, 51.7663,
46.0288

■ 39.0074, 54.4516,
52.9610

■ 31.6513, 50.8758,
42.8403

■ 42.7406, 56.2970,
56.7136

■ 30.3033, 50.2461,
39.8301

■ 47.1882, 58.5069,
60.6627

■ 29.3857, 49.8349,
36.9923

■ 52.3882, 61.1012,
64.8122

■ 29.1722, 49.7411,
36.2470

■ 58.3763, 64.0980,
69.1657

■ 65.1856, 67.5145,
73.7267

■ 72.8475, 71.3666,
78.4987

■ 78.9949, 74.4342,
83.3728

■ 79.9072, 74.7991,
88.1768

Harmonies

Analogous

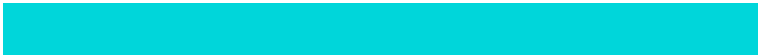
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9508, 52.9472, 32.2433



35.9451, 52.9472, 49.3996



36.4516, 52.9472, 74.4892

Triad

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



35.9451, 52.9472, 49.3996



55.9042, 52.9472, 113.9054



61.7255, 52.9472, 29.0070

Complementary

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



35.9451, 52.9472, 49.3996



35.0797, 23.1882, 23.0510

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.



67.3348, 52.9472, 43.5623



35.9451, 52.9472, 49.3996



63.7217, 52.9472, 93.7835

Square

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



35.9451, 52.9472, 49.3996



47.3546, 52.9472, 116.7743



68.1038, 52.9472, 66.7725



53.4165, 52.9472, 22.8663

Rectangle

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



35.9451, 52.9472, 49.3996



38.7315, 52.9472, 92.5584



68.1038, 52.9472, 66.7725



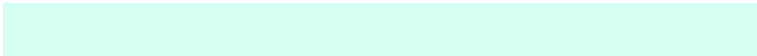
64.0272, 52.9472, 32.8510

Sweetspot

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



35.9466, 52.9493, 49.4008



78.8154, 91.8670, 97.4661



34.8340, 53.0629, 18.3047



16.5096, 19.4834, 20.5854



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.



35.9466, 52.9493, 49.4008



49.6061, 77.4314, 67.9822



34.8772, 44.1321, 69.6333



12.6243, 14.0407, 15.1020



17.8663, 30.4019, 22.3893



1.1136, 1.8481, 1.5399

Inverse Universe

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



35.0797, 23.1882, 23.0510



48.2329, 28.5365, 24.9449



35.2767, 26.7952, 13.2111



12.5768, 12.4822, 13.7114



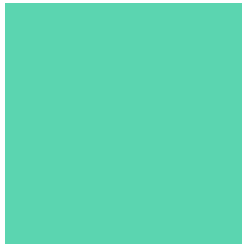
17.3777, 8.8874, 4.0269



1.0846, 0.5506, 0.4349

Previews

White Background



This preview shows how the XYZ color 35.9451, 52.9472, 49.3996 looks on a white background.

Color Contrast Check

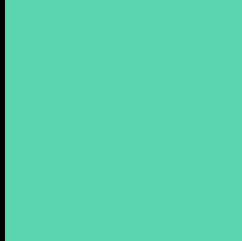
Large Text (above 18pt) WCAG AA × Fail

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 35.9451, 52.9472, 49.3996 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

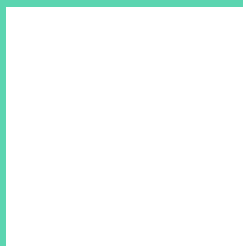
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9451, 52.9472, 49.3996

Background



This preview shows how black text looks on a background with the XYZ color 35.9451, 52.9472, 49.3996.



This preview shows how white text looks on a background with the XYZ color 35.9451, 52.9472,

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

35.9451, 52.9472, 49.3996

Protanopia

49.4190, 52.3594, 42.6237

Deuteranopia

53.2330, 52.2215, 51.5300



Tritanopia

41.4540, 52.5961, 77.7792

Trichromacy



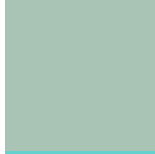
Original Color

35.9451, 52.9472, 49.3996



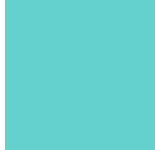
Protanomaly

42.1892, 51.2511, 44.7146



Deuteranomaly

44.1155, 50.7605, 50.6526



Tritanomaly

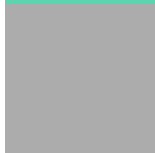
39.3079, 52.8239, 66.5168

Monochromacy



Original Color

35.9451, 52.9472, 49.3996



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6408, 44.3974, 46.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9451, 52.9472, 49.3996 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(91, 213, 176)` looks like.

```
.text, #text, p{  
    color:rgb(91, 213, 176)  
}
```

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(91, 213, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 213, 176) }
```

Border

The CSS property to change the border of an element to XYZ 35.9451, 52.9472, 49.3996 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(91, 213, 176) }
```


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

```
.border{ border-color:rgb(91, 213, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 213, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 213, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 213, 176);  
box-shadow:4px 4px 4px 4px rgb(91, 213,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9451, 52.9472, 49.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 213, 176) }
```

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

```
.background{ background-color: rgb(91, 213,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor