

Converting Colors

XYZ(34.0193, 50.4487, 52.1377)

Have a look what the booklet for
XYZ(34.0193, 50.4487, 52.1377)
contains.

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Color

**XYZ(33.9916, 50.3948,
52.1916)**

Conversions

Conversions Part 1

Format	Color
Hex	49D1B6
RGB	73, 209, 182
RGB Percent	29%, 82%, 71%
CMY	0.7137, 0.1804, 0.2863
CMYK	0.65, 0.00, 0.13, 0.18
HSL	168°, 60%, 55%
HSV	168°, 65%, 82%
XYZ	33.9916, 50.3948, 52.1916
YIQ	165.2580, -72.3890, -37.2290

Conversions

Conversions Part 2

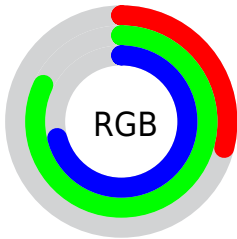
Format	Color
RYB	73, 148, 209
Decimal	4837814
CIELab	76.31, -42.99, 2.63
CIElCh	76, 43.066, 176.493
Yxy	50.3948, 0.2489, 0.3690
Android (android.graphics.Color)	4283027894 (0xFF49D1B6)
YUV	165.2580, 8.2538, -80.9103
Hunter-Lab	70.9893, -38.7606, 6.1023

Details

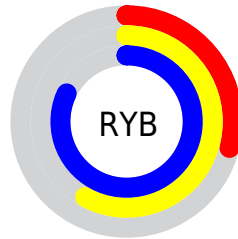
The XYZ color **33.9916, 50.3948, 52.1916** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.9790, 19.2418, 14.1397**, and the grayscale version is **35.8759, 37.7442, 41.1035**.

A 20% lighter version of the original color is **61.3460, 82.9273, 93.6622**, and **15.5180, 24.6962, 24.7178** is the 20% darker color. If you saturate the color by 10%, you get **32.2439, 49.5439, 49.9051**, and if you desaturate by 10%, it is **36.2868, 51.5289, 54.5723**.

Distribution



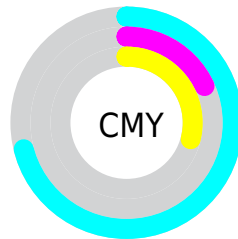
- Red (29%)
- Green (82%)
- Blue (71%)



- Red (29%)
- Yellow (58%)
- Blue (82%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)





- Cyan (71%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9916, 50.3948, 52.1916 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 33.9916, 50.3948, 52.1916 by changing the saturation by 10% instead.


 33.9916, 50.3948,
52.1916


 33.9916, 50.3948,
52.1916


311.6812,
388.2078, 412.1538


 23.0500, 35.7272,
36.7745


 65.2650, 90.7596,
94.8432


 14.7513, 24.2236,
24.7385


 86.3275, 117.2255,
122.9148

 8.7302, 15.4996,
15.6651

 111.4943,
148.3930, 156.0417

 4.6213, 9.1707,
9.1357

 141.1309,
184.6465, 194.6424

 2.0593, 4.8527,
4.7318

175.6025,
226.3703, 239.1354

 0.6669, 2.1611,
2.0348

215.2745,

 0.0000, 0.6987,

273.9489, 289.9392

0.5766

260.5123,
327.7666, 347.4726

■ 0.0000, 0.0000,
0.0000

■ 33.9916, 50.3948,
52.1916

■ 33.9916, 50.3948,
52.1916

■ 32.2439, 49.5439,
49.9051

■ 36.2868, 51.5289,
54.5723

■ 30.9835, 48.9415,
47.7061

■ 39.1733, 52.9652,
57.0465

■ 30.1437, 48.5545,
45.5919

■ 42.6953, 54.7276,
59.6179

■ 29.8233, 48.4114,
44.5778

■ 46.8918, 56.8362,
62.2889

■ 51.7982, 59.3093,
65.0616

■ 57.4478, 62.1639,
67.9382

■ 63.8714, 65.4161,
70.9206

■ 71.0985, 69.0809,
74.0108

■ 76.8735, 71.9955,
77.1036

Harmonies

Analogous

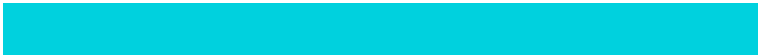
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0656, 50.3948, 33.7723



33.9916, 50.3948, 52.1916



35.2839, 50.3948, 77.2362

Triad

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



33.9916, 50.3948, 52.1916



55.1771, 50.3948, 105.1699



57.0078, 50.3948, 25.4804

Complementary

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



33.9916, 50.3948, 52.1916



30.9790, 19.2418, 14.1397

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.



63.2104, 50.3948, 37.3033



33.9916, 50.3948, 52.1916



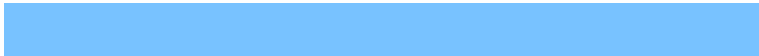
62.0727, 50.3948, 83.3164

Square

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



33.9916, 50.3948, 52.1916



46.9537, 50.3948, 112.4190



65.1600, 50.3948, 57.6413



48.8564, 50.3948, 21.3388

Rectangle

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



33.9916, 50.3948, 52.1916



37.9695, 50.3948, 93.9327



65.1600, 50.3948, 57.6413



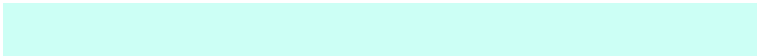
59.4237, 50.3948, 28.4906

Sweetspot

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



33.9930, 50.3968, 52.1928



77.1241, 90.9423, 99.7743



29.2823, 48.8048, 14.1812



16.0505, 19.2350, 21.0927



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.



33.9930, 50.3968, 52.1928



49.7278, 77.2962, 76.9324



28.2974, 34.1009, 65.4145



12.0536, 13.3652, 14.6385



18.4231, 29.8622, 27.6721



1.0564, 1.6802, 1.6855

Inverse Universe

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



30.9790, 19.2418, 14.1397



44.7515, 24.9351, 13.4221



33.4936, 26.0275, 9.5628



11.9033, 11.8461, 12.7668



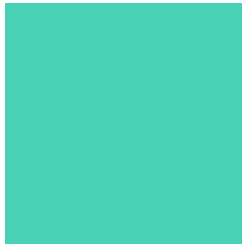
16.4928, 8.4699, 2.2351



0.9509, 0.4851, 0.2761

Previews

White Background



This preview shows how the XYZ color 33.9916, 50.3948, 52.1916 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 33.9916, 50.3948, 52.1916 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

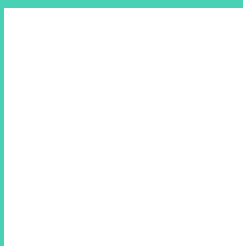
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9916, 50.3948, 52.1916

Background



This preview shows how black text looks on a background with the XYZ color 33.9916, 50.3948, 52.1916.

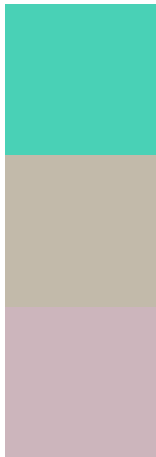


This preview shows how white text looks on a background with the XYZ color 33.9916, 50.3948,

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

33.9916, 50.3948, 52.1916

Protanopia

47.0627, 49.4894, 45.1022

Deuteranopia

50.5028, 49.5160, 54.4727



Tritanopia

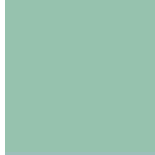
38.7276, 50.5267, 75.4216

Trichromacy



Original Color

33.9916, 50.3948, 52.1916



Protanomaly

39.5094, 48.1236, 47.2508



Deuteranomaly

41.2040, 47.8747, 53.5234



Tritanomaly

36.8680, 50.4837, 66.1937

Monochromacy



Original Color

33.9916, 50.3948, 52.1916



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.3903, 40.8936, 44.6615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9916, 50.3948, 52.1916 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(73, 209, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 209, 182)  
}
```

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(73, 209, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 209, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.9916, 50.3948, 52.1916 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(73, 209, 182) }
```


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

```
.border{ border-color:rgb(73, 209, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 209, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 209, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 209, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 209,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9916, 50.3948, 52.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 209, 182) }
```

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

```
.background{ background-color: rgb(73, 209,  
182) }
```

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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