

Converting Colors

XYZ(33.4676, 50.3917, 56.6779)

Have a look what the booklet for
XYZ(33.4676, 50.3917, 56.6779)
contains.

XYZ(33.4676, 50.3917, 56.6779)	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(33.4676, 50.3917,
56.6779)**

Conversions

Conversions Part 1

Format	Color
Hex	2ED2BE
RGB	46, 210, 190
RGB Percent	18%, 82%, 75%
CMY	0.8196, 0.1765, 0.2549
CMYK	0.78, 0.00, 0.10, 0.18
HSL	173°, 65%, 50%
HSV	173°, 78%, 82%
XYZ	33.4676, 50.3917, 56.6779
YIQ	158.6840, -91.3240, -40.9880

Conversions

Conversions Part 2

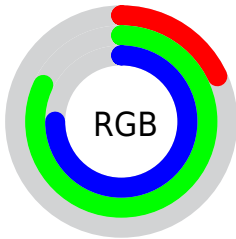
Format	Color
RYB	46, 133, 210
Decimal	3068606
CIELab	76.31, -44.81, -1.73
CIELCh	76, 44.844, 182.212
Yxy	50.3917, 0.2381, 0.3586
Android (android.graphics.Color)	4281258686 (0xFF2ED2BE)
YUV	158.6840, 15.4388, -98.8239
Hunter-Lab	70.9871, -40.0718, 2.3523

Details

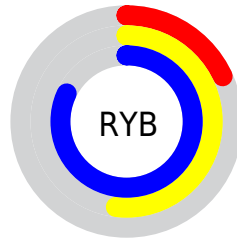
The XYZ color **33.4676, 50.3917, 56.6779** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **28.5405, 16.0505, 6.7501**, and the grayscale version is **32.7742, 34.4810, 37.5498**.

A 20% lighter version of the original color is **60.1403, 82.1669, 99.8788**, and **16.2367, 25.2488, 27.6847** is the 20% darker color. If you saturate the color by 10%, you get **32.4654, 49.9083, 55.1834**, and if you desaturate by 10%, it is **34.9399, 51.1192, 58.2223**.

Distribution



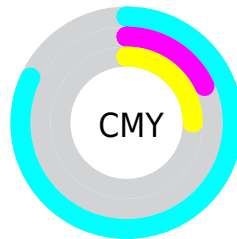
- Red (18%)
- Green (82%)
- Blue (75%)



- Red (18%)
- Yellow (52%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)





- Cyan (82%)
- Magenta (18%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4676, 50.3917, 56.6779 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 33.4676, 50.3917, 56.6779 by changing the saturation by 10% instead.


 33.4676, 50.3917,
56.6779


 33.4676, 50.3917,
56.6779


309.3794,
388.1958, 429.7011


 22.6458, 35.7247,
40.3391

 64.4547, 90.7550,
101.4907


 14.4515, 24.2217,
27.4872


 85.3507, 117.2201,
130.8018


 8.5191, 15.4981,
17.7038


 110.3356,
148.3866, 165.2740

 4.4835, 9.1697,
10.5703

 139.7746,
184.6391, 205.3259

 1.9791, 4.8521,
5.6682

 174.0331,
226.3619, 251.3760

 0.6222, 2.1607,
2.5789

213.4765,

 0.0000, 0.6985,

273.9393, 303.8429

0.8815

258.4702,
327.7558, 363.1451

■ 0.0000, 0.0000,
0.0000

■ 33.4676, 50.3917,
56.6779

■ 33.4676, 50.3917,
56.6779

■ 32.4654, 49.9083,
55.1834

■ 34.9399, 51.1192,
58.2223

■ 31.8418, 49.6183,
53.7311

■ 36.9374, 52.1158,
59.8161

■ 31.7400, 49.5718,
53.4574

■ 39.5124, 53.4095,
61.4627

■ 42.7095, 55.0233,
63.1646

■ 46.5690, 56.9780,
64.9236

■ 51.1278, 59.2926,
66.7417

■ 56.4199, 61.9847,
68.6206

■ 62.4774, 65.0708,
70.5619

■ 69.3302, 68.5662,
72.5670

Harmonies

Analogous

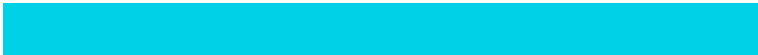
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9500, 50.3917, 35.9619



33.4676, 50.3917, 56.6779



35.4592, 50.3917, 83.4901

Triad

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



33.4676, 50.3917, 56.6779



57.0573, 50.3917, 104.2066



55.8492, 50.3917, 23.2151

Complementary

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



33.4676, 50.3917, 56.6779



28.5405, 16.0505, 6.7501

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.



62.9456, 50.3917, 33.6725



33.4676, 50.3917, 56.6779



63.6986, 50.3917, 79.4544

Square

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



33.4676, 50.3917, 56.6779



48.5237, 50.3917, 115.4859



65.9689, 50.3917, 53.0970



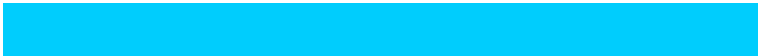
47.2734, 50.3917, 20.3471

Rectangle

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



33.4676, 50.3917, 56.6779



38.6424, 50.3917, 100.2884



65.9689, 50.3917, 53.0970



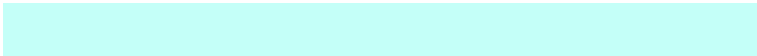
58.5197, 50.3917, 25.7709

Sweetspot

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



33.4691, 50.3936, 56.6791



75.5356, 90.0706, 102.0865



25.9161, 47.5166, 10.3917



15.6321, 19.0070, 21.6316



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.



33.4691, 50.3936, 56.6791



49.6571, 77.1022, 84.0473



23.6466, 27.0066, 64.9413



12.0937, 13.3812, 14.8498



19.3854, 30.2471, 32.7394



1.1018, 1.6984, 1.9247

Inverse Universe

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



28.5405, 16.0505, 6.7501



41.8798, 21.7961, 4.4357



32.2413, 24.2368, 5.5649



11.8666, 11.8314, 12.5731



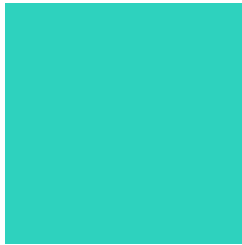
16.3434, 8.4102, 1.4486



0.9338, 0.4782, 0.1860

Previews

White Background



This preview shows how the XYZ color 33.4676, 50.3917, 56.6779 looks on a white background.

Color Contrast Check

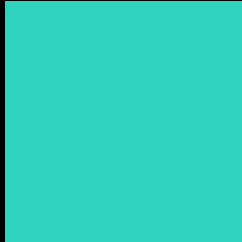
Large Text (above 18pt) WCAG AA × Fail

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 33.4676, 50.3917, 56.6779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

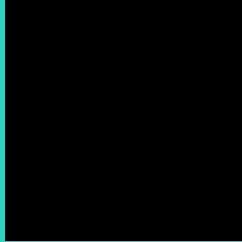
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

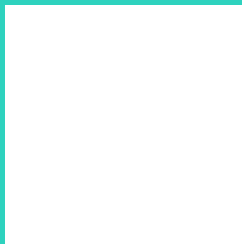
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4676, 50.3917, 56.6779

Background



This preview shows how black text looks on a background with the XYZ color 33.4676, 50.3917, 56.6779.

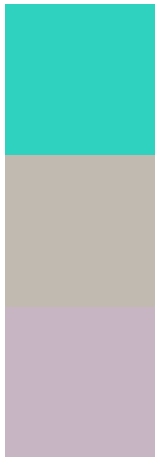


This preview shows how white text looks on a background with the XYZ color 33.4676, 50.3917,

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

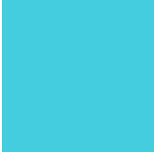
33.4676, 50.3917, 56.6779

Protanopia

47.1336, 49.4589, 48.1366

Deuteranopia

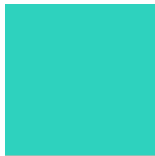
50.3071, 49.3126, 59.0914



Tritanopia

37.4000, 50.1655, 76.8190

Trichromacy



Original Color

33.4676, 50.3917, 56.6779



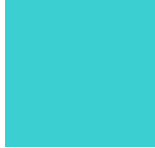
Protanomaly

38.5031, 47.8554, 50.9237



Deuteranomaly

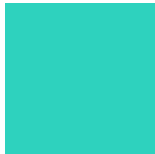
40.0888, 47.5236, 58.0990



Tritanomaly

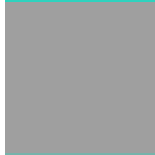
35.8092, 50.2394, 68.7826

Monochromacy



Original Color

33.4676, 50.3917, 56.6779



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.6473, 38.5946, 43.8644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4676, 50.3917, 56.6779 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(46, 210, 190)` looks like.

```
.text, #text, p{  
    color:rgb(46, 210, 190)  
}
```

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(46, 210, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 210, 190) }
```

Border

The CSS property to change the border of an element to XYZ 33.4676, 50.3917, 56.6779 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(46, 210, 190) }
```


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

```
.border{ border-color:rgb(46, 210, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 210, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 210, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 210, 190);  
box-shadow:4px 4px 4px 4px rgb(46, 210,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4676, 50.3917, 56.6779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 210, 190) }
```

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

```
.background{ background-color: rgb(46, 210,  
190) }
```

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