

Converting Colors

XYZ(33.5776, 50.4649, 56.0057)

Have a look what the booklet for
XYZ(33.5776, 50.4649, 56.0057)
contains.

XYZ(33.5971, 50.4711, 56.1153)	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(33.5971, 50.4711,
56.1153)**

Conversions

Conversions Part 1

Format	Color
Hex	33D2BD
RGB	51, 210, 189
RGB Percent	20%, 82%, 74%
CMY	0.8000, 0.1765, 0.2588
CMYK	0.76, 0.00, 0.10, 0.18
HSL	172°, 64%, 51%
HSV	172°, 76%, 82%
XYZ	33.5971, 50.4711, 56.1153
YIQ	160.0650, -88.0230, -40.2390

Conversions

Conversions Part 2

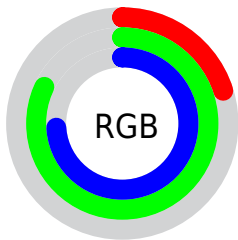
Format	Color
RYB	51, 136, 210
Decimal	3396285
CIELab	76.36, -44.56, -1.11
CIELCh	76, 44.578, 181.431
Yxy	50.4711, 0.2397, 0.3600
Android (android.graphics.Color)	4281586365 (0xFF33D2BD)
YUV	160.0650, 14.2650, -95.6500
Hunter-Lab	71.0430, -39.9105, 2.8983

Details

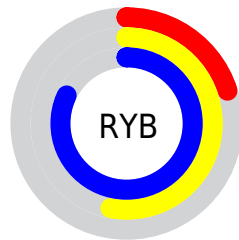
The XYZ color **33.5971, 50.4711, 56.1153** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **28.9335, 16.5385, 7.7999**, and the grayscale version is **33.4107, 35.1507, 38.2791**.

A 20% lighter version of the original color is **60.4098, 82.3235, 99.0923**, and **16.1653, 25.2203, 27.3086** is the 20% darker color. If you saturate the color by 10%, you get **32.4702, 49.9258, 54.5067**, and if you desaturate by 10%, it is **35.2101, 51.2687, 57.7790**.

Distribution



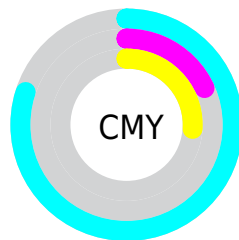
- Red (20%)
- Green (82%)
- Blue (74%)



- Red (20%)
- Yellow (53%)
- Blue (82%)



- Cyan (76%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)





- Cyan (80%)
- Magenta (18%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5971, 50.4711, 56.1153 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 33.5971, 50.4711, 56.1153 by changing the saturation by 10% instead.


 33.5971, 50.4711,
56.1153


 33.5971, 50.4711,
56.1153


309.9494,
388.5054, 427.5264


 22.7457, 35.7879,
39.8908


 64.6551, 90.8725,
100.6606


 14.5255, 24.2704,
27.1402


 85.5924, 117.3594,
129.8185


 8.5712, 15.5343,
17.4452


 110.6223,
148.5497, 164.1245

 4.5174, 9.1952,
10.3871

 140.1103,
184.8278, 203.9973

 1.9988, 4.8688,
5.5474

 174.4216,
226.5780, 249.8553

 0.6333, 2.1705,
2.5076

213.9217,

 0.0000, 0.7038,

274.1847, 302.1171

0.8442

258.9758,
328.0324, 361.2013

■ 0.0000, 0.0000,
0.0000

■ 33.5971, 50.4711,
56.1153

■ 33.5971, 50.4711,
56.1153

■ 32.4702, 49.9258,
54.5067

■ 35.2101, 51.2687,
57.7790

■ 31.7547, 49.5908,
52.9461

■ 37.3620, 52.3422,
59.4970

■ 31.5182, 49.4831,
52.2891

■ 40.1032, 53.7189,
61.2730

■ 43.4774, 55.4212,
63.1091

■ 47.5238, 57.4694,
65.0075

■ 52.2787, 59.8821,
66.9699

■ 57.7757, 62.6768,
68.9980

■ 64.0462, 65.8694,
71.0935

■ 71.1198, 69.4754,
73.2580

Harmonies

Analogous

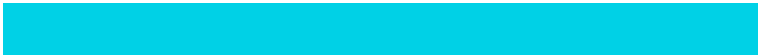
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1643, 50.4711, 35.7063



33.5971, 50.4711, 56.1153



35.4926, 50.4711, 82.7067

Triad

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



33.5971, 50.4711, 56.1153



56.8753, 50.4711, 104.4914



56.0979, 50.4711, 23.5697

Complementary

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



33.5971, 50.4711, 56.1153



28.9335, 16.5385, 7.7999

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.



63.0777, 50.4711, 34.2293



33.5971, 50.4711, 56.1153



63.5620, 50.4711, 80.1121

Square

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



33.5971, 50.4711, 56.1153



48.3749, 50.4711, 115.2102



65.9524, 50.4711, 53.8097



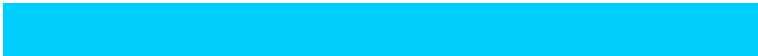
47.5699, 50.4711, 20.5235

Rectangle

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



33.5971, 50.4711, 56.1153



38.6092, 50.4711, 99.5144



65.9524, 50.4711, 53.8097



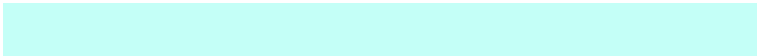
58.7362, 50.4711, 26.1912

Sweetspot

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



33.5986, 50.4730, 56.1165



75.4437, 90.0338, 101.6024



26.3331, 47.7196, 10.9558



15.6095, 18.9979, 21.5125



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.



33.5986, 50.4730, 56.1165



49.6141, 77.1023, 83.0364



24.1794, 27.7182, 65.0507



12.0884, 13.3791, 14.8218



19.2518, 30.1936, 32.0357



1.0955, 1.6959, 1.8919

Inverse Universe

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



28.9335, 16.5385, 7.7999



42.2019, 22.1334, 5.4890



32.6784, 24.9440, 6.2253



11.8714, 11.8333, 12.5986



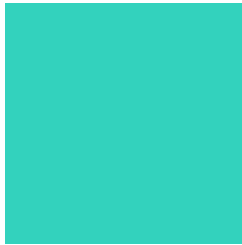
16.3595, 8.4166, 1.5331



0.9360, 0.4791, 0.1979

Previews

White Background



This preview shows how the XYZ color 33.5971, 50.4711, 56.1153 looks on a white background.

Color Contrast Check

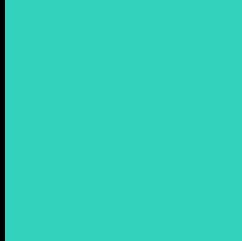
Large Text (above 18pt) WCAG AA × Fail

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 33.5971, 50.4711, 56.1153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

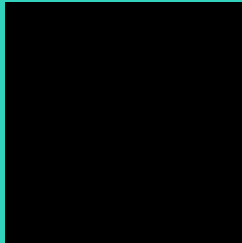
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

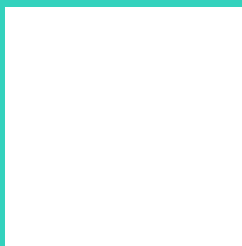
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5971, 50.4711, 56.1153

Background



This preview shows how black text looks on a background with the XYZ color 33.5971, 50.4711, 56.1153.

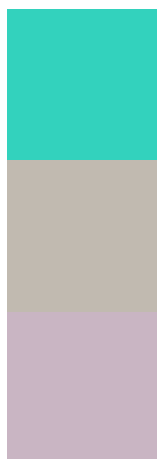


This preview shows how white text looks on a background with the XYZ color 33.5971, 50.4711,

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

33.5971, 50.4711, 56.1153

Protanopia

47.3877, 49.5899, 48.1485

Deuteranopia

50.4616, 49.4054, 58.5063



Tritanopia

37.6886, 50.3143, 76.8325

Trichromacy



Original Color

33.5971, 50.4711, 56.1153



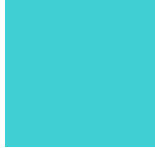
Protanomaly

38.8401, 48.0291, 50.9395



Deuteranomaly

40.3293, 47.6605, 57.5259



Tritanomaly

36.0600, 50.3688, 68.7944

Monochromacy



Original Color

33.5971, 50.4711, 56.1153



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.0168, 38.7741, 44.3775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5971, 50.4711, 56.1153 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(51, 210, 189)` looks like.

```
.text, #text, p{  
    color:rgb(51, 210, 189)  
}
```

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(51, 210, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 210, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.5971, 50.4711, 56.1153 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(51, 210, 189) }
```


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

```
.border{ border-color:rgb(51, 210, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 210, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 210, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 210, 189);  
box-shadow:4px 4px 4px 4px rgb(51, 210,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5971, 50.4711, 56.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 210, 189) }
```

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

```
.background{ background-color: rgb(51, 210,  
189) }
```

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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