

Converting Colors

XYZ(33.1867, 54.0403, 40.1190)

Have a look what the booklet for
XYZ(33.1867, 54.0403, 40.1190)
contains.

| | |
|--|----|
| XYZ(33.1957, 54.0240, 40.1306) | 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(33.1957, 54.0240,
40.1306)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3CDB9C |
| RGB | 60, 219, 156 |
| RGB Percent | 24%, 86%, 61% |
| CMY | 0.7647, 0.1412, 0.3882 |
| CMYK | 0.73, 0.00, 0.29, 0.14 |
| HSL | 156°, 69%, 55% |
| HSV | 156°, 73%, 86% |
| XYZ | 33.1957, 54.0240, 40.1306 |
| YIQ | 164.2770, -74.5410, -53.3010 |

Conversions

Conversions Part 2

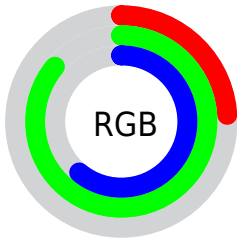
| Format | Color |
|-------------------------------------|---|
| RYB | 60, 159, 219 |
| Decimal | 3988380 |
| CIELab | 78.48, -55.11, 19.49 |
| CIELCh | 78, 58.454, 160.519 |
| Yxy | 54.0240, 0.2607, 0.4242 |
| Android (android.graphics.Color) | 4282178460 (0xFF3CDB9C) |
| YUV | 164.2770, -4.0806, -91.4509 |
| Hunter-Lab | 73.5010, -48.0098, 19.0791 |

Details

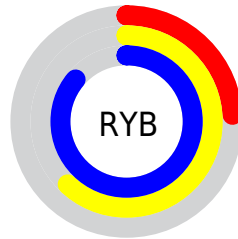
The XYZ color **33.1957, 54.0240, 40.1306** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **34.4061, 19.7230, 20.7342**, and the grayscale version is **35.4641, 37.3110, 40.6317**.

A 20% lighter version of the original color is **56.4200, 80.8123, 74.2527**, and **15.5959, 27.1939, 17.5237** is the 20% darker color. If you saturate the color by 10%, you get **31.4276, 53.1958, 36.3488**, and if you desaturate by 10%, it is **35.5663, 55.1595, 44.2170**.

Distribution



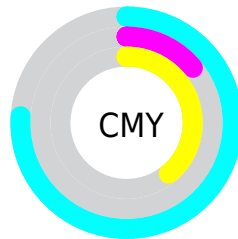
- Red (24%)
- Green (86%)
- Blue (61%)



- Red (24%)
- Yellow (62%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (29%)
- Black (14%)





- Cyan (76%)
- Magenta (14%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1957, 54.0240, 40.1306 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 33.1957, 54.0240, 40.1306 by changing the saturation by 10% instead.


 33.1957, 54.0240,
40.1306


 33.1957, 54.0240,
40.1306


308.1801,
402.2015, 362.2422


 22.4364, 38.6208,
27.3258


 64.0336, 96.1095,
76.6016


 14.2963, 26.4649,
17.5835


 84.8428, 123.5606,
101.1049


 8.4101, 17.1718,
10.4850


 109.7328,
155.7965, 130.3448

 4.4125, 10.3570,
5.6119

 139.0687,
193.2016, 164.7399

 1.9380, 5.6363,
2.5456

 173.2161,
236.1602, 204.7086

 0.5988, 2.6252,
0.8642

212.5402,

 0.0000, 0.9394,

285.0568, 250.6695

0.0000

257.4064,
340.2758, 303.0412

■ 0.0000, 0.0000,
0.0000

■ 33.1957, 54.0240,
40.1306

■ 33.1957, 54.0240,
40.1306

■ 31.4276, 53.1958,
36.3488

■ 35.5663, 55.1595,
44.2170

■ 30.1841, 52.6307,
32.8588


■ 38.5962, 56.6274,
48.6128


■ 29.5129, 52.3371,
30.4577


■ 42.3404, 58.4571,
53.3269


■ 46.8464, 60.6731,
58.3668

■ 52.1576, 63.2978,
63.7397

 58.3142, 66.3515,
69.4524

 65.3534, 69.8536,
75.5113

 73.3103, 73.8218,
81.9230

 81.4384, 77.8714,
88.6570

Harmonies

Analogous

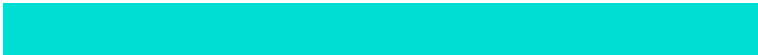
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2800, 54.0240, 22.6209



33.1957, 54.0240, 40.1306



32.5316, 54.0240, 71.1585

Triad

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



33.1957, 54.0240, 40.1306



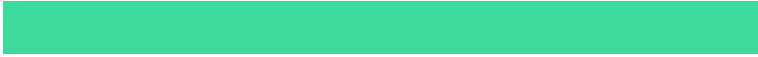
55.4919, 54.0240, 145.6379



70.0585, 54.0240, 26.5261

Complementary

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



33.1957, 54.0240, 40.1306



34.4061, 19.7230, 20.7342

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.



76.3013, 54.0240, 48.0023



33.1957, 54.0240, 40.1306



67.0960, 54.0240, 121.2906

Square

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



33.1957, 54.0240, 40.1306



44.3214, 54.0240, 141.0012



75.1428, 54.0240, 82.5701



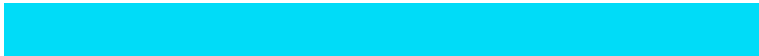
59.0809, 54.0240, 17.0412

Rectangle

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



33.1957, 54.0240, 40.1306



34.5579, 54.0240, 97.1993



75.1428, 54.0240, 82.5701



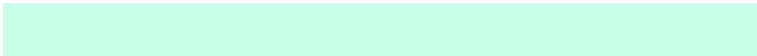
72.8494, 54.0240, 32.1681

Sweetspot

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



33.1971, 54.0261, 40.1319



73.9620, 89.5186, 90.3001



34.4032, 55.2469, 13.1260



15.3643, 18.9297, 18.8727



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.



33.1971, 54.0261, 40.1319



43.3758, 74.6393, 48.7259



36.0308, 48.8363, 74.5478



13.2150, 14.7376, 15.5952



17.5544, 31.0544, 18.3508



1.1793, 2.0287, 1.4101

Inverse Universe

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



34.4061, 19.7230, 20.7342



45.2426, 23.7379, 20.3042



32.6081, 20.5426, 6.5220



13.2687, 13.1366, 14.6761



18.3873, 9.3560, 6.4195



1.2329, 0.6228, 0.6356

Previews

White Background



This preview shows how the XYZ color 33.1957, 54.0240, 40.1306 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 33.1957, 54.0240, 40.1306 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

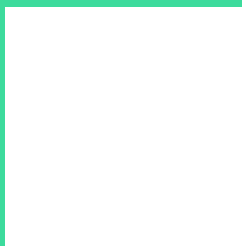
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1957, 54.0240, 40.1306

Background



This preview shows how black text looks on a background with the XYZ color 33.1957, 54.0240, 40.1306.

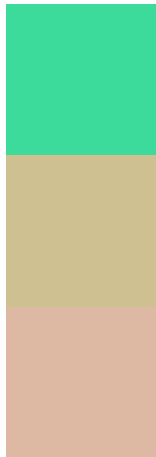


This preview shows how white text looks on a background with the XYZ color 33.1957, 54.0240,

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

33.1957, 54.0240, 40.1306

Protanopia

49.3373, 52.8347, 33.9833

Deuteranopia

53.7786, 52.7144, 41.9908



Tritanopia

41.3254, 53.9145, 80.9015

Trichromacy



Original Color

33.1957, 54.0240, 40.1306



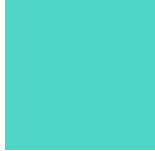
Protanomaly

39.6027, 51.1515, 35.8029



Deuteranomaly

41.2117, 50.1520, 40.7659



Tritanomaly

37.6451, 53.5110, 63.6029

Monochromacy



Original Color

33.1957, 54.0240, 40.1306



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.1777, 41.2898, 39.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1957, 54.0240, 40.1306 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(60, 219, 156)` looks like.

```
.text, #text, p{  
    color:rgb(60, 219, 156)  
}
```

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(60, 219, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 219, 156) }
```

Border

The CSS property to change the border of an element to XYZ 33.1957, 54.0240, 40.1306 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(60, 219, 156) }
```


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

```
.border{ border-color:rgb(60, 219, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 219, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 219, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 219, 156);  
box-shadow:4px 4px 4px 4px rgb(60, 219,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1957, 54.0240, 40.1306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 219, 156) }
```

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

```
.background{ background-color: rgb(60, 219,  
156) }
```

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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