

Converting Colors

XYZ(32.4200, 54.0110, 40.3030)

Have a look what the booklet for
XYZ(32.4200, 54.0110, 40.3030)
contains.

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Color

**XYZ(32.3933, 53.9988,
40.1680)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 26DC9C |
| RGB | 38, 220, 156 |
| RGB Percent | 15%, 86%, 61% |
| CMY | 0.8509, 0.1372, 0.3882 |
| CMYK | 0.83, 0.00, 0.29, 0.14 |
| HSL | 159°, 72%, 51% |
| HSV | 159°, 83%, 86% |
| XYZ | 32.3933, 53.9988, 40.1680 |
| YIQ | 158.2860, -87.9280, -58.4880 |

Conversions

Conversions Part 2

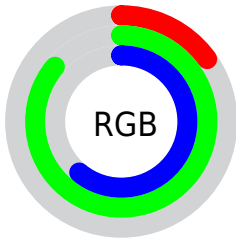
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 38, 148, 220 |
| Decimal | 2546844 |
| CIE Lab | 78.46, -57.90, 19.42 |
| CIE LCh | 78, 61.076, 161.456 |
| Yxy | 53.9988, 0.2560, 0.4267 |
| Android (android.graphics.Color) | 4280736924 (0xFF26DC9C) |
| YUV | 158.2860, -1.1270, -105.4908 |
| Hunter-Lab | 73.4839, -49.9101, 19.0294 |

Details

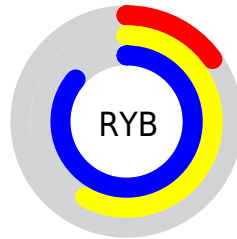
The XYZ color **32.3933, 53.9988, 40.1680** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.6085, 17.5625, 14.2443**, and the grayscale version is **32.6647, 34.3658, 37.4244**.

A 20% lighter version of the original color is **54.7203, 79.9362, 74.1732**, and **15.7742, 27.5504, 17.5831** is the 20% darker color. If you saturate the color by 10%, you get **31.1743, 53.4451, 36.8001**, and if you desaturate by 10%, it is **34.1355, 54.8202, 43.7807**.

Distribution



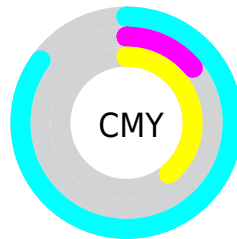
- Red (15%)
- Green (86%)
- Blue (61%)



- Red (15%)
- Yellow (58%)
- Blue (86%)



- Cyan (83%)
- Magenta (0%)
- Yellow (29%)
- Black (14%)





- Cyan (85%)
- Magenta (14%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3933, 53.9988, 40.1680 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 32.3933, 53.9988, 40.1680 by changing the saturation by 10% instead.


 32.3933, 53.9988,
40.1680


 32.3933, 53.9988,
40.1680


304.6205,
402.1054, 362.4043


 21.8191, 38.6007,
27.3548


 62.7882, 96.0725,
76.6592


 13.8399, 26.4492,
17.6051


 83.3396, 123.5169,
101.1742


 8.0903, 17.1600,
10.5003


 107.9474,
155.7454, 130.4268

 4.2051, 10.3486,
5.6220

 136.9770,
193.1426, 164.8357

 1.8188, 5.6307,
2.5516

 170.7938,
236.0929, 204.8194

 0.5290, 2.6219,
0.8673

209.7631,

 0.0000, 0.9377,

284.9805, 250.7963

0.0000

254.2502,
340.1899, 303.1851

■ 0.0000, 0.0000,
0.0000

■ 32.3933, 53.9988,
40.1680

■ 32.3933, 53.9988,
40.1680

■ 31.1743, 53.4451,
36.8001

■ 34.1355, 54.8202,
43.7807

■ 30.5245, 53.1605,
34.4943

■ 36.4708, 55.9410,
47.6417

■ 39.4624, 57.3952,
51.7591

■ 43.1640, 59.2104,
56.1390

■ 47.6237, 61.4112,
60.7874

■ 52.8849, 64.0199,
65.7097

■ 58.9880, 67.0574,
70.9115

■ 65.9704, 70.5428,
76.3977

■ 73.8674, 74.4941,
82.1735

Harmonies

Analogous

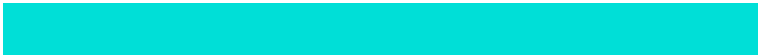
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5014, 53.9988, 21.8488



32.3933, 53.9988, 40.1680



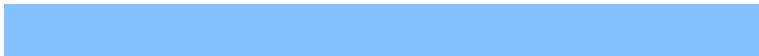
31.8526, 53.9988, 72.9365

Triad

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



32.3933, 53.9988, 40.1680



56.0497, 53.9988, 150.3713



70.6533, 53.9988, 24.9758

Complementary

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



32.3933, 53.9988, 40.1680



32.6085, 17.5625, 14.2443

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.



77.4518, 53.9988, 46.6117



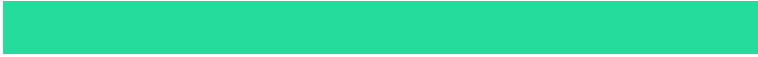
32.3933, 53.9988, 40.1680



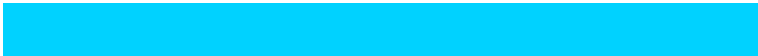
68.1842, 53.9988, 123.6089

Square

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



32.3933, 53.9988, 40.1680



44.3237, 53.9988, 146.4479



76.4836, 53.9988, 82.4409



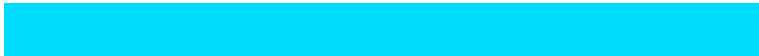
59.0256, 53.9988, 15.7372

Rectangle

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



32.3933, 53.9988, 40.1680



34.0355, 53.9988, 100.5101



76.4836, 53.9988, 82.4409



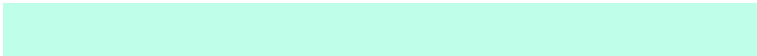
73.6552, 53.9988, 30.5915

Sweetspot

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



32.3947, 54.0009, 40.1693



71.9570, 88.4881, 90.0649



31.7394, 54.3159, 10.6456



14.8380, 18.6605, 18.7539



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.



32.3947, 54.0009, 40.1693



42.6952, 74.2978, 48.2738



33.3992, 44.9413, 74.6269



13.2403, 14.7477, 15.7283



17.9685, 31.2200, 20.5315



1.2044, 2.0387, 1.5422

Inverse Universe

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



32.6085, 17.5625, 14.2443



43.1702, 22.0764, 11.9578



31.6039, 18.8314, 3.8036



13.2442, 13.1268, 14.5472



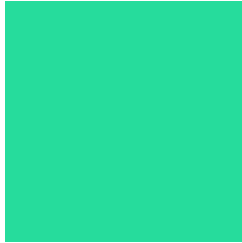
18.1639, 9.2666, 5.2432



1.2168, 0.6164, 0.5506

Previews

White Background



This preview shows how the XYZ color 32.3933, 53.9988, 40.1680 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 32.3933, 53.9988, 40.1680 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

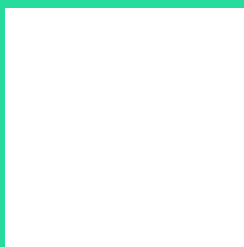
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3933, 53.9988, 40.1680

Background



This preview shows how black text looks on a background with the XYZ color 32.3933, 53.9988, 40.1680.

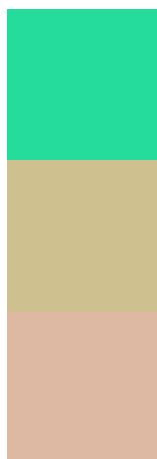


This preview shows how white text looks on a background with the XYZ color 32.3933, 53.9988,

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

32.3933, 53.9988, 40.1680

Protanopia

49.2612, 52.8043, 33.5825

Deuteranopia

53.8686, 52.7504, 42.4646



Tritanopia

40.6912, 53.9393, 81.6655

Trichromacy



Original Color

32.3933, 53.9988, 40.1680



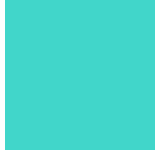
Protanomaly

38.1429, 50.3989, 35.7346



Deuteranomaly

39.9535, 49.8314, 41.2309



Tritanomaly

36.8872, 53.4812, 64.2559

Monochromacy



Original Color

32.3933, 53.9988, 40.1680



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.5491, 39.0595, 37.8801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3933, 53.9988, 40.1680 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(38, 220, 156)` looks like.

```
.text, #text, p{  
    color:rgb(38, 220, 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(38, 220, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 220, 156) }
```

Border

The CSS property to change the border of an element to XYZ 32.3933, 53.9988, 40.1680 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(38, 220, 156) }
```


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

```
.border{ border-color:rgb(38, 220, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 220, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 220, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 220, 156);  
box-shadow:4px 4px 4px 4px rgb(38, 220,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3933, 53.9988, 40.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 220, 156) }
```

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

```
.background{ background-color: rgb(38, 220,  
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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