

Converting Colors

XYZ(30.8233, 54.0596, 33.6639)

Have a look what the booklet for
XYZ(30.8233, 54.0596, 33.6639)
contains.

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Color

**XYZ(30.8549, 54.1360,
33.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	00DE8C
RGB	0, 222, 140
RGB Percent	0%, 87%, 55%
CMY	0.9999, 0.1294, 0.4510
CMYK	1.00, 0.00, 0.37, 0.13
HSL	158°, 100%, 44%
HSV	158°, 100%, 87%
XYZ	30.8549, 54.1360, 33.6340
YIQ	146.2740, -105.9900, -72.5660

Conversions

Conversions Part 2

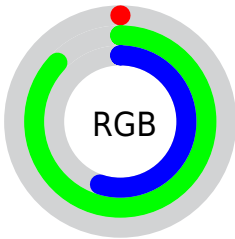
Format	Color
RYB	0, 136, 222
Decimal	56972
CIELab	78.54, -63.87, 27.80
CIELCh	79, 69.658, 156.475
Yxy	54.1360, 0.2601, 0.4564
Android (android.graphics.Color)	4278247052 (0xFF00DE8C)
YUV	146.2740, -3.0931, -128.2823
Hunter-Lab	73.5772, -53.9053, 24.4010

Details

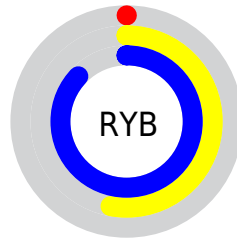
The XYZ color **30.8549, 54.1360, 33.6340** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.6494, 16.1401, 9.4342**, and the grayscale version is **27.4807, 28.9119, 31.4850**.

A 20% lighter version of the original color is **51.4415, 78.4792, 63.4757**, and **15.2583, 27.6315, 13.9804** is the 20% darker color. If you saturate the color by 10%, you get **30.8555, 54.1378, 33.6323**, and if you desaturate by 10%, it is **31.8194, 54.5622, 36.9559**.

Distribution



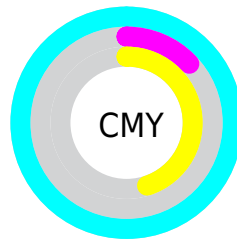
- Red (0%)
- Green (87%)
- Blue (55%)



- Red (0%)
- Yellow (53%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8549, 54.1360, 33.6340 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 30.8549, 54.1360, 33.6340 by changing the saturation by 10% instead.


 30.8549, 54.1360,
33.6340


 30.8549, 54.1360,
33.6340


297.7081,
402.6284, 333.2162


 20.6397, 38.7104,
22.3375


 60.3890, 96.2739,
66.4915


 12.9718, 26.5345,
13.9044


 80.4385, 123.7550,
88.8895


 7.4860, 17.2239,
7.9162


 104.4968,
156.0234, 115.8252

 3.8169, 10.3943,
3.9544

 132.9293,
193.4634, 147.7169

 1.5991, 5.6612,
1.6004

 166.1014,
236.4596, 184.9834

 0.3918, 2.6402,
0.2911

204.3783,

 0.0000, 0.9469,

285.3962, 228.0431

0.0000

248.1254,
340.6577, 277.3145

■ 0.0000, 0.0000,
0.0000

■ 30.8549, 54.1360,
33.6340

■ 30.8549, 54.1360,
33.6340

■ 30.8555, 54.1378,
33.6323

■ 31.8194, 54.5622,
36.9559

■ 33.2142, 55.2034,
40.5369

■ 35.1667, 56.1267,
44.3892

■ 37.7490, 57.3692,
48.5205

■ 41.0218, 58.9619,
52.9384

■ 45.0382, 60.9323,
57.6497

■ 49.8461, 63.3050,
62.6610

■ 55.4892, 66.1023,
67.9785

■ 62.0080, 69.3450,
73.6081

Harmonies

Analogous

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



37.3086, 54.1360, 16.6680



30.8549, 54.1360, 33.6340



29.4373, 54.1360, 67.8840

Triad

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



30.8549, 54.1360, 33.6340



54.4880, 54.1360, 170.4283



75.7227, 54.1360, 24.4673

Complementary

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



30.8549, 54.1360, 33.6340



31.6494, 16.1401, 9.4342

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.



82.3782, 54.1360, 50.8271



30.8549, 54.1360, 33.6340



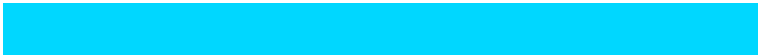
68.7887, 54.1360, 142.9848

Square

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



30.8549, 54.1360, 33.6340



41.6247, 54.1360, 158.9281



79.6381, 54.1360, 94.5460



62.7218, 54.1360, 13.2596

Rectangle

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



30.8549, 54.1360, 33.6340



31.2649, 54.1360, 99.4600



79.6381, 54.1360, 94.5460



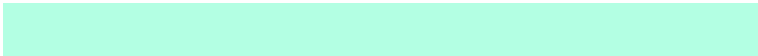
78.8724, 54.1360, 31.2663

Sweetspot

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



30.8563, 54.1382, 33.6353



68.0644, 86.5760, 85.6090



29.8790, 54.1812, 8.8838



13.9433, 18.2219, 17.6900



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.



30.8563, 54.1382, 33.6353



42.1756, 74.0862, 45.7040



32.9493, 44.8018, 76.0208



13.8906, 15.4820, 16.4590



18.3822, 32.1777, 20.2676



1.3169, 2.2475, 1.6300

Inverse Universe

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



31.6494, 16.1401, 9.4342



43.2693, 22.0717, 12.6160



30.4930, 16.2654, 1.5330



13.9155, 13.7838, 15.3254



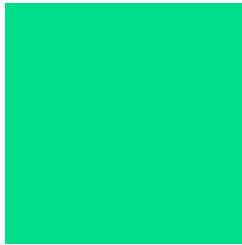
18.8472, 9.6059, 5.8613



1.3486, 0.6827, 0.6286

Previews

White Background



This preview shows how the XYZ color 30.8549, 54.1360, 33.6340 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 30.8549, 54.1360, 33.6340 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 30.8549, 54.1360, 33.6340

Background



This preview shows how black text looks on a background with the XYZ color 30.8549, 54.1360, 33.6340.



This preview shows how white text looks on a background with the XYZ color 30.8549, 54.1360,

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

30.8549, 54.1360, 33.6340

Protanopia

49.2607, 53.2538, 28.1048

Deuteranopia

54.1378, 53.0366, 35.8175



Tritanopia

40.5223, 53.8522, 81.6576

Trichromacy



Original Color

30.8549, 54.1360, 33.6340



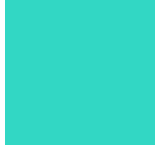
Protanomaly

35.4306, 49.8382, 29.5821



Deuteranomaly

36.8840, 48.3928, 34.5909



Tritanomaly

35.5796, 53.2645, 60.6304

Monochromacy



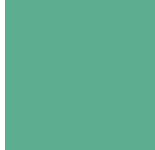
Original Color

30.8549, 54.1360, 33.6340



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.6843, 34.6129, 31.7655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8549, 54.1360, 33.6340 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(0, 222, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 140)  
}
```

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(0, 222, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 140) }
```

Border

The CSS property to change the border of an element to XYZ 30.8549, 54.1360, 33.6340 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(0, 222, 140) }
```


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

```
.border{ border-color:rgb(0, 222, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8549, 54.1360, 33.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 140) }
```

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

```
.background{ background-color: rgb(0, 222,  
140) }
```

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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