

Converting Colors

XYZ(30.3224, 53.8593, 31.0264)

Have a look what the booklet for
XYZ(30.3224, 53.8593, 31.0264)
contains.

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Color

**XYZ(30.3549, 53.9360,
31.0011)**

Conversions

Conversions Part 1

Format	Color
Hex	00DE85
RGB	0, 222, 133
RGB Percent	0%, 87%, 52%
CMY	0.9999, 0.1294, 0.4784
CMYK	1.00, 0.00, 0.40, 0.13
HSL	156°, 100%, 44%
HSV	156°, 100%, 87%
XYZ	30.3549, 53.9360, 31.0011
YIQ	145.4760, -103.7430, -74.7430

Conversions

Conversions Part 2

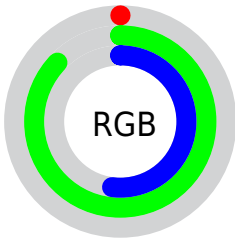
Format	Color
RYB	0, 139, 222
Decimal	56965
CIELab	78.42, -65.23, 31.23
CIELCh	78, 72.321, 154.419
Yxy	53.9360, 0.2633, 0.4678
Android (android.graphics.Color)	4278247045 (0xFF00DE85)
YUV	145.4760, -6.1507, -127.5825
Hunter-Lab	73.4411, -54.7438, 26.3812

Details

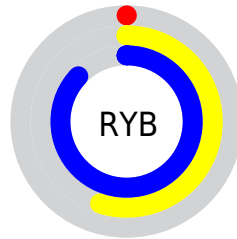
The XYZ color **30.3549, 53.9360, 31.0011** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.9295, 16.2521, 10.9094**, and the grayscale version is **27.1648, 28.5795, 31.1231**.

A 20% lighter version of the original color is **50.6735, 78.1720, 59.4316**, and **14.9781, 27.5195, 12.5050** is the 20% darker color. If you saturate the color by 10%, you get **30.3556, 53.9379, 30.9998**, and if you desaturate by 10%, it is **31.3332, 54.3677, 34.3957**.

Distribution



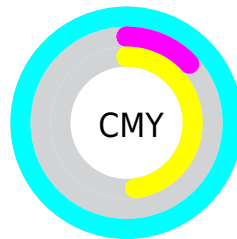
- Red (0%)
- Green (87%)
- Blue (52%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3549, 53.9360, 31.0011 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 30.3549, 53.9360, 31.0011 by changing the saturation by 10% instead.

 30.3549, 53.9360,
31.0011


 30.3549, 53.9360,
31.0011


295.4355,
401.8659, 320.8947


 20.2575, 38.5505,
20.3412


 59.6058, 95.9803,
62.3214


 12.6917, 26.4102,
12.4568


 79.4900, 123.4078,
83.8189

 7.2921, 17.1308,
6.9293


 103.3672,
155.6182, 109.7660

 3.6934, 10.3278,
3.3401

 131.6027,
192.9958, 140.5813

 1.5302, 5.6168,
1.2708

 164.5620,
235.9249, 176.6832

 0.3462, 2.6135,
0.0377

202.6103,

 0.0000, 0.9335,

284.7901, 218.4905

0.0000

246.1130,
339.9756, 266.4214

■ 0.0000, 0.0000,
0.0000

■ 30.3549, 53.9360,
31.0011

■ 30.3549, 53.9360,
31.0011

■ 30.3556, 53.9379,
30.9998

■ 31.3332, 54.3677,
34.3957

■ 32.7490, 55.0173,
38.0881

■ 34.7303, 55.9521,
42.0919

■ 37.3492, 57.2092,
46.4163

■ 40.6666, 58.8198,
51.0702

■ 44.7361, 60.8115,
56.0617

■ 49.6058, 63.2088,
61.3986

■ 55.3195, 66.0343,
67.0885

■ 61.9180, 69.3089,
73.1384

Harmonies

Analogous

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



37.3171, 53.9360, 14.9337



30.3549, 53.9360, 31.0011



28.5599, 53.9360, 64.9666

Triad

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



30.3549, 53.9360, 31.0011



53.3993, 53.9360, 176.4238



77.2740, 53.9360, 24.6667

Complementary

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



30.3549, 53.9360, 31.0011



31.9295, 16.2521, 10.9094

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.



83.6235, 53.9360, 52.9005



30.3549, 53.9360, 31.0011



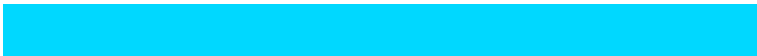
68.3150, 53.9360, 149.8396

Square

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



30.3549, 53.9360, 31.0011



40.3470, 53.9360, 161.3846



80.0755, 53.9360, 99.4172



63.9928, 53.9360, 12.6415

Rectangle

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



30.3549, 53.9360, 31.0011



30.1901, 53.9360, 97.3887



80.0755, 53.9360, 99.4172



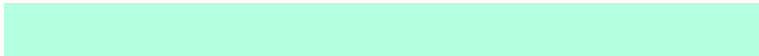
80.3911, 53.9360, 31.9498

Sweetspot

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



30.3563, 53.9382, 31.0023



67.7342, 86.4439, 83.8704



30.5873, 54.5463, 8.9169



13.8647, 18.1904, 17.2758



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

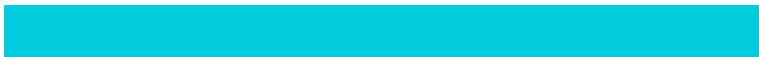
The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3563, 53.9382, 31.0023



41.4902, 73.8121, 42.0947



34.6609, 48.2249, 76.5914



13.8718, 15.4744, 16.3600



18.0863, 32.0594, 18.7092



1.2975, 2.2397, 1.5279

Inverse Universe

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



31.9295, 16.2521, 10.9094



43.6501, 22.2240, 14.6212



30.3502, 15.9798, 1.4853



13.9338, 13.7911, 15.4215



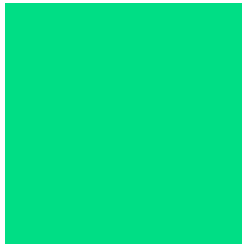
19.0159, 9.6734, 6.7497



1.3615, 0.6879, 0.6963

Previews

White Background



This preview shows how the XYZ color 30.3549, 53.9360, 31.0011 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 30.3549, 53.9360, 31.0011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

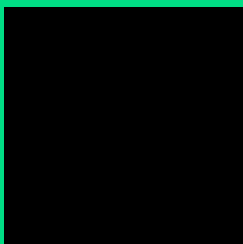
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

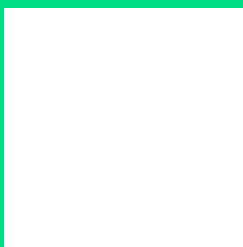
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3549, 53.9360, 31.0011

Background



This preview shows how black text looks on a background with the XYZ color 30.3549, 53.9360, 31.0011.



This preview shows how white text looks on a background with the XYZ color 30.3549, 53.9360,

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

30.3549, 53.9360, 31.0011

Protanopia

48.8792, 52.7814, 25.7008

Deuteranopia

53.7015, 52.5649, 32.9068



Tritanopia

40.6912, 53.9393, 81.6655

Trichromacy



Original Color

30.3549, 53.9360, 31.0011



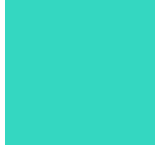
Protanomaly

34.8891, 49.2609, 27.0715



Deuteranomaly

36.3559, 48.1815, 31.8099



Tritanomaly

35.3423, 53.1812, 58.8543

Monochromacy



Original Color

30.3549, 53.9360, 31.0011



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.1649, 34.0855, 30.5048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3549, 53.9360, 31.0011 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 133) }
```

Border

The CSS property to change the border of an element to XYZ 30.3549, 53.9360, 31.0011 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, 133) }
```


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

```
.border{ border-color:rgb(0, 222, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3549, 53.9360, 31.0011 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, 133) }
```

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

```
.background{ background-color: rgb(0, 222,  
133) }
```

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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