

Converting Colors

XYZ(30.3342, 53.5246, 32.1348)

Have a look what the booklet for
XYZ(30.3342, 53.5246, 32.1348)
contains.

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Color

**XYZ(30.3004, 53.4905,
32.0203)**

Conversions

Conversions Part 1

Format	Color
Hex	00DD88
RGB	0, 221, 136
RGB Percent	0%, 87%, 53%
CMY	0.9999, 0.1333, 0.4667
CMYK	1.00, 0.00, 0.38, 0.13
HSL	157°, 100%, 43%
HSV	157°, 100%, 87%
XYZ	30.3004, 53.4905, 32.0203
YIQ	145.2310, -104.4310, -73.2870

Conversions

Conversions Part 2

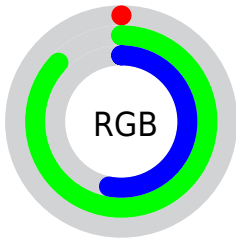
Format	Color
RYB	0, 137, 221
Decimal	56712
CIELab	78.16, -64.31, 29.35
CIELCh	78, 70.694, 155.469
Yxy	53.4905, 0.2616, 0.4619
Android (android.graphics.Color)	4278246792 (0xFF00DD88)
YUV	145.2310, -4.5509, -127.3676
Hunter-Lab	73.1372, -54.0384, 25.2382

Details

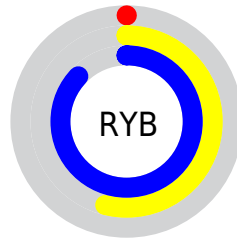
The XYZ color **30.3004, 53.4905, 32.0203** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **31.4606, 16.0293, 10.0342**, and the grayscale version is **27.0589, 28.4681, 31.0018**.

A 20% lighter version of the original color is **50.9981, 78.3019, 61.1411**, and **14.9152, 27.2068, 13.0597** is the 20% darker color. If you saturate the color by 10%, you get **30.3010, 53.4923, 32.0189**, and if you desaturate by 10%, it is **31.2635, 53.9158, 35.3468**.

Distribution



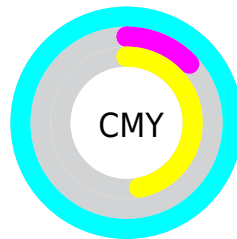
- Red (0%)
- Green (87%)
- Blue (53%)



- Red (0%)
- Yellow (54%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3004, 53.4905, 32.0203 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 30.3004, 53.4905, 32.0203 by changing the saturation by 10% instead.


 30.3004, 53.4905,
32.0203


 30.3004, 53.4905,
32.0203


295.1869,
400.1641, 325.7073


 20.2159, 38.1945,
21.1121


 59.5203, 95.3257,
63.9412


 12.6613, 26.1337,
13.0139


 79.3864, 122.6338,
85.7909


 7.2711, 16.9237,
7.3073


 103.2438,
154.7146, 112.1249

 3.6800, 10.1801,
3.5737

 131.4578,
191.9525, 143.3616

 1.5228, 5.5185,
1.3945

 164.3937,
234.7321, 179.9197

 0.3412, 2.5546,
0.1374

202.4170,

 0.0000, 0.9039,

283.4376, 222.2177

0.0000

245.8930,
338.4535, 270.6740

■ 0.0000, 0.0000,
0.0000

■ 30.3004, 53.4905,
32.0203

■ 30.3004, 53.4905,
32.0203

■ 30.3010, 53.4923,
32.0189

■ 31.2635, 53.9158,
35.3468

■ 32.6557, 54.5553,
38.9479

■ 34.6035, 55.4753,
42.8362

■ 37.1781, 56.7126,
47.0202

■ 40.4396, 58.2981,
51.5080

■ 44.4409, 60.2588,
56.3067

■ 49.2294, 62.6190,
61.4236

■ 54.8484, 65.4011,
66.8653

■ 61.3380, 68.6255,
72.6384

Harmonies

Analogous

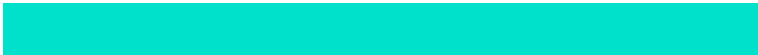
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9314, 53.4905, 15.6550



30.3004, 53.4905, 32.0203



28.7163, 53.4905, 65.7984

Triad

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



30.3004, 53.4905, 32.0203



53.4153, 53.4905, 171.5502



75.6914, 53.4905, 24.3095

Complementary

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



30.3004, 53.4905, 32.0203



31.4606, 16.0293, 10.0342

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.



82.1362, 53.4905, 51.2876



30.3004, 53.4905, 32.0203



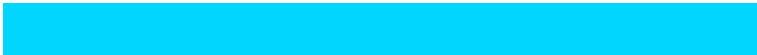
67.8668, 53.4905, 144.7783

Square

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



30.3004, 53.4905, 32.0203



40.5897, 53.4905, 158.4964



79.0409, 53.4905, 95.8854



62.6877, 53.4905, 12.8249

Rectangle

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



30.3004, 53.4905, 32.0203



30.4308, 53.4905, 97.4680



79.0409, 53.4905, 95.8854



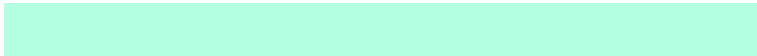
78.7944, 53.4905, 31.2687

Sweetspot

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



30.3018, 53.4926, 32.0215



67.9042, 86.5119, 84.7653



29.9212, 53.8098, 8.8099



13.9051, 18.2066, 17.4889



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

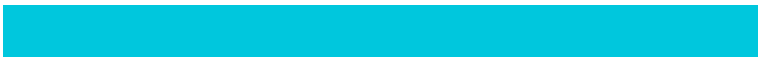
The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3018, 53.4926, 32.0215



41.8386, 73.9514, 43.9293



33.4535, 46.0240, 75.5296



13.2216, 14.7403, 15.6297



17.6586, 31.0961, 18.8994



1.1856, 2.0312, 1.4436

Inverse Universe

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



31.4606, 16.0293, 10.0342



43.4486, 22.1434, 13.5604



30.1092, 15.9511, 1.4925



13.2623, 13.1340, 14.6425



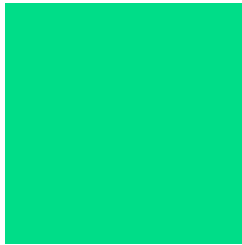
18.3262, 9.3315, 6.0980



1.2286, 0.6211, 0.6127

Previews

White Background



This preview shows how the XYZ color 30.3004, 53.4905, 32.0203 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 30.3004, 53.4905, 32.0203 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 30.3004, 53.4905, 32.0203

Background



This preview shows how black text looks on a background with the XYZ color 30.3004, 53.4905, 32.0203.



This preview shows how white text looks on a background with the XYZ color 30.3004, 53.4905,

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

30.3004, 53.4905, 32.0203

Protanopia

48.5002, 52.5644, 26.6585

Deuteranopia

53.6154, 52.4941, 34.0946



Tritanopia

40.1362, 53.3015, 80.8459

Trichromacy



Original Color

30.3004, 53.4905, 32.0203



Protanomaly

34.7679, 49.1759, 28.0815



Deuteranomaly

36.3503, 47.8148, 32.9045



Tritanomaly

35.0996, 52.6663, 59.3546

Monochromacy



Original Color

30.3004, 53.4905, 32.0203



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.2397, 34.1154, 30.8986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3004, 53.4905, 32.0203 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, 221, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 136)  
}
```

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, 221, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 136) }
```

Border

The CSS property to change the border of an element to XYZ 30.3004, 53.4905, 32.0203 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, 221, 136) }
```


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

```
.border{ border-color:rgb(0, 221, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 221, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3004, 53.4905, 32.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 136) }
```

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

```
.background{ background-color: rgb(0, 221,  
136) }
```

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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