

Converting Colors

XYZ(23.2491, 47.5365, 39.4525)

Have a look what the booklet for
XYZ(23.2491, 47.5365, 39.4525)
contains.

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Color

**XYZ(30.3012, 51.0012,
39.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	00D79C
RGB	0, 215, 156
RGB Percent	0%, 84%, 61%
CMY	0.9999, 0.1568, 0.3882
CMYK	1.00, 0.00, 0.27, 0.16
HSL	164°, 100%, 42%
HSV	164°, 100%, 84%
XYZ	30.3012, 51.0012, 39.6997
YIQ	143.9890, -109.2010, -63.9290

Conversions

Conversions Part 2

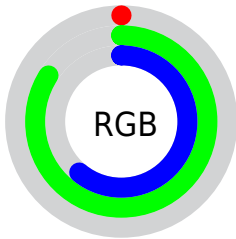
Format	Color
RYB	0, 125, 215
Decimal	55196
CIELab	76.68, -57.91, 16.91
CIELCh	77, 60.333, 163.721
Yxy	51.0012, 0.2504, 0.4215
Android (android.graphics.Color)	4278245276 (0xFF00D79C)
YUV	143.9890, 5.9214, -126.2784
Hunter-Lab	71.4151, -49.2395, 17.0312

Details

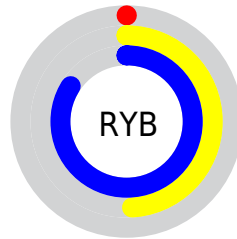
The XYZ color **30.3012, 51.0012, 39.6997** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.8157, 14.7642, 5.4723**, and the grayscale version is **26.5169, 27.8978, 30.3807**.

A 20% lighter version of the original color is **53.3436, 79.2264, 74.1087**, and **14.9479, 25.8162, 17.5598** is the 20% darker color. If you saturate the color by 10%, you get **30.3017, 51.0028, 39.6978**, and if you desaturate by 10%, it is **31.1348, 51.3731, 42.4122**.

Distribution



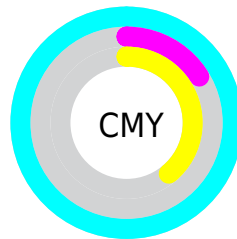
- Red (0%)
- Green (84%)
- Blue (61%)



- Red (0%)
- Yellow (49%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3012, 51.0012, 39.6997 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 30.3012, 51.0012, 39.6997 by changing the saturation by 10% instead.


 30.3012, 51.0012,
39.6997


 30.3012, 51.0012,
39.6997


295.1906,
390.5684, 360.3706


 20.2165, 36.2096,
26.9925


 59.5215, 91.6565,
75.9381


 12.6617, 24.5961,
17.3352


 79.3879, 118.2890,
100.3063

 7.2714, 15.7764,
10.3093


 103.2456,
149.6373, 129.3987

 3.6802, 9.3661,
5.4962

 131.4599,
186.0857, 163.6336

 1.5229, 4.9807,
2.4775

 164.3962,
228.0186, 203.4298

 0.3413, 2.2359,
0.8282

202.4198,

 0.0000, 0.7395,

275.8204, 249.2056

0.0000

245.8962,
329.8756, 301.3797

■ 0.0000, 0.0000,
0.0000

■ 30.3012, 51.0012,
39.6997

■ 30.3012, 51.0012,
39.6997

■ 30.3017, 51.0028,
39.6978

■ 31.1348, 51.3731,
42.4122

■ 32.3483, 51.9367,
45.2698

■ 34.0613, 52.7549,
48.2810

■ 36.3396, 53.8616,
51.4506

■ 39.2388, 55.2854,
54.7827

■ 42.8075, 57.0514,
58.2812

■ 47.0896, 59.1822,
61.9499

■ 52.1250, 61.6982,
65.7920

■ 57.9507, 64.6185,
69.8110

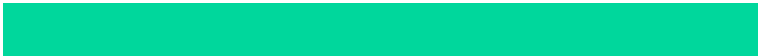
Harmonies

Analogous

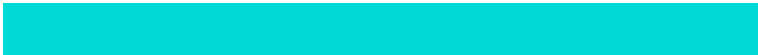
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.8247, 51.0012, 21.3486



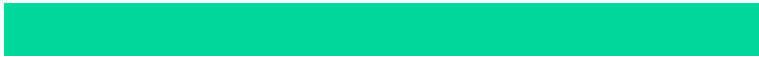
30.3012, 51.0012, 39.6997



30.1160, 51.0012, 71.8271

Triad

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



30.3012, 51.0012, 39.6997



53.8734, 51.0012, 141.7911



66.1438, 51.0012, 22.4158

Complementary

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



30.3012, 51.0012, 39.6997



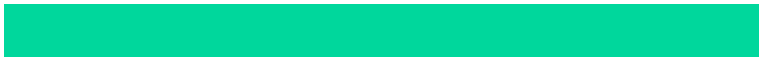
28.8157, 14.7642, 5.4723

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.



73.0950, 51.0012, 41.9084



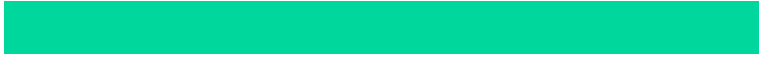
30.3012, 51.0012, 39.6997



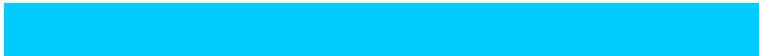
65.2944, 51.0012, 114.5242

Square

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



30.3012, 51.0012, 39.6997



42.5754, 51.0012, 140.4375



72.7618, 51.0012, 75.0960



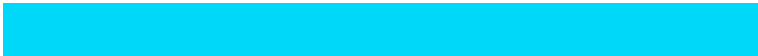
54.8961, 51.0012, 14.3921

Rectangle

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



30.3012, 51.0012, 39.6997



32.4059, 51.0012, 98.2814



72.7618, 51.0012, 75.0960



69.1339, 51.0012, 27.4203

Sweetspot

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



30.3026, 51.0032, 39.7009



69.0870, 86.9850, 90.9937



26.2220, 49.5928, 8.1910



14.1880, 18.3197, 18.9786



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.



30.3026, 51.0032, 39.7009



44.5185, 75.0234, 58.0416



26.3477, 33.0690, 69.2866



12.6400, 14.0470, 15.1847



18.1701, 30.5234, 23.9894



1.1300, 1.8546, 1.6262

Inverse Universe

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



28.8157, 14.7642, 5.4723



42.3450, 21.7020, 7.7490



29.0262, 16.4491, 1.6459



12.5619, 12.4763, 13.6332



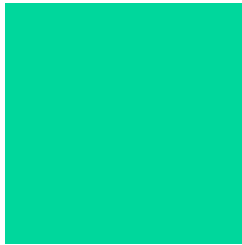
17.2728, 8.8454, 3.4747



1.0767, 0.5475, 0.3935

Previews

White Background



This preview shows how the XYZ color 30.3012, 51.0012, 39.6997 looks on a white background.

Color Contrast Check

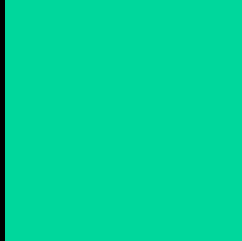
Large Text (above 18pt) WCAG AA × Fail

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 30.3012, 51.0012, 39.6997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

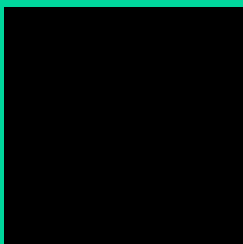
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

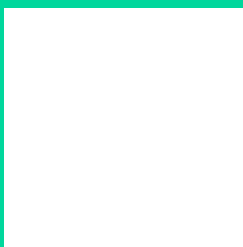
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3012, 51.0012, 39.6997

Background



This preview shows how black text looks on a background with the XYZ color 30.3012, 51.0012, 39.6997.

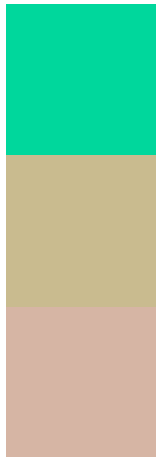


This preview shows how white text looks on a background with the XYZ color 30.3012, 51.0012,

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

30.3012, 51.0012, 39.6997

Protanopia

46.8156, 49.9413, 33.1588

Deuteranopia

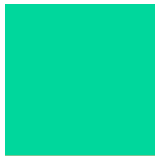
50.9563, 50.0242, 42.0919



Tritanopia

37.9891, 50.8099, 77.6171

Trichromacy



Original Color

30.3012, 51.0012, 39.6997



Protanomaly

34.2136, 46.6598, 35.2200



Deuteranomaly

35.6563, 45.9474, 40.7077



Tritanomaly

34.1915, 50.2823, 61.9362

Monochromacy



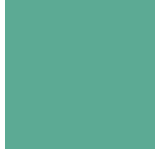
Original Color

30.3012, 51.0012, 39.6997



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.1337, 33.1629, 33.1461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3012, 51.0012, 39.6997 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, 215, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 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(0, 215, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.3012, 51.0012, 39.6997 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, 215, 156) }
```


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

```
.border{ border-color:rgb(0, 215, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3012, 51.0012, 39.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 156) }
```

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

```
.background{ background-color: rgb(0, 215,  
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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