

Converting Colors

XYZ(31.3984, 56.4984, 29.8834)

Have a look what the booklet for
XYZ(31.3984, 56.4984, 29.8834)
contains.

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Color

**XYZ(31.4315, 56.5231,
30.0223)**

Conversions

Conversions Part 1

Format	Color
Hex	00E381
RGB	0, 227, 129
RGB Percent	0%, 89%, 51%
CMY	0.9999, 0.1098, 0.4941
CMYK	1.00, 0.00, 0.43, 0.11
HSL	154°, 100%, 45%
HSV	154°, 100%, 89%
XYZ	31.4315, 56.5231, 30.0223
YIQ	147.9550, -103.8340, -78.6020

Conversions

Conversions Part 2

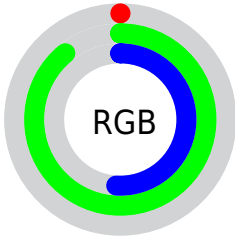
Format	Color
RYB	0, 145, 227
Decimal	58241
CIELab	79.91, -67.64, 35.19
CIELCh	80, 76.250, 152.516
Yxy	56.5231, 0.2664, 0.4791
Android (android.graphics.Color)	4278248321 (0xFF00E381)
YUV	147.9550, -9.3448, -129.7565
Hunter-Lab	75.1818, -56.9422, 28.9511

Details

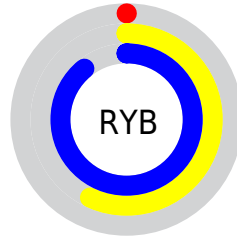
The XYZ color **31.4315, 56.5231, 30.0223** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.8853, 17.2140, 13.0962**, and the grayscale version is **28.2011, 29.6697, 32.3103**.

A 20% lighter version of the original color is **50.4916, 78.1270, 57.2186**, and **15.7499, 29.2995, 12.0330** is the 20% darker color. If you saturate the color by 10%, you get **31.4323, 56.5251, 30.0211**, and if you desaturate by 10%, it is **32.4628, 56.9774, 33.6376**.

Distribution



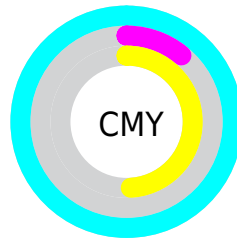
- Red (0%)
- Green (89%)
- Blue (51%)



- Red (0%)
- Yellow (57%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4315, 56.5231, 30.0223 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 31.4315, 56.5231, 30.0223 by changing the saturation by 10% instead.


 31.4315, 56.5231,
30.0223


 31.4315, 56.5231,
30.0223


300.3128,
411.6599, 316.2189


 21.0811, 40.6225,
19.6033


 61.2900, 99.7690,
60.7589


 13.2961, 28.0242,
11.9258

 81.5288, 127.8831,
81.9135


 7.7111, 18.3439,
6.5713


 105.7945,
160.8371, 107.4838

 3.9609, 11.1972,
3.1211

 134.4523,
199.0154, 137.8883

 1.6801, 6.1996,
1.1568

 167.8677,
242.8024, 173.5455

 0.4437, 2.9668,
0.0000

206.4061,

 0.0000, 1.1144,

292.5826, 214.8740

0.0000

250.4326,
348.7403, 262.2923

■ 0.0000, 0.0000,
0.0000

■ 31.4315, 56.5231,
30.0223

■ 31.4315, 56.5231,
30.0223

■ 31.4323, 56.5251,
30.0211

■ 32.4628, 56.9774,
33.6376

■ 33.9640, 57.6649,
37.6088

■ 36.0687, 58.6560,
41.9516

■ 38.8536, 59.9899,
46.6778

■ 42.3836, 61.7000,
51.7984

■ 46.7153, 63.8153,
57.3236

■ 51.9000, 66.3620,
63.2632

■ 57.9843, 69.3640,
69.6266

■ 65.0113, 72.8435,
76.4226

Harmonies

Analogous

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



39.2762, 56.5231, 14.0504



31.4315, 56.5231, 30.0223



29.1617, 56.5231, 65.3580

Triad

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



31.4315, 56.5231, 30.0223



55.0392, 56.5231, 191.7937



82.8909, 56.5231, 26.1865

Complementary

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



31.4315, 56.5231, 30.0223



33.8853, 17.2140, 13.0962

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.



89.2299, 56.5231, 57.8814



31.4315, 56.5231, 30.0223



71.3394, 56.5231, 164.8640

Square

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



31.4315, 56.5231, 30.0223



41.1394, 56.5231, 172.1791



84.6458, 56.5231, 109.7872



68.6431, 56.5231, 12.7000

Rectangle

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



31.4315, 56.5231, 30.0223



30.6760, 56.5231, 100.2419



84.6458, 56.5231, 109.7872



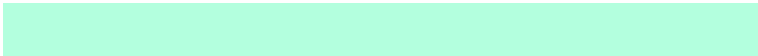
86.1287, 56.5231, 34.3599

Sweetspot

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



31.4329, 56.5254, 30.0236



67.4160, 86.3166, 82.1947



32.5480, 57.5580, 9.3948



13.7890, 18.1601, 16.8775



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.



31.4329, 56.5254, 30.0236



40.8635, 73.5614, 38.7946



37.3772, 52.5690, 80.8526



14.5307, 16.2257, 17.0596



18.3903, 32.9882, 17.8216



1.4054, 2.4563, 1.5612

Inverse Universe

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



33.8853, 17.2140, 13.0962



44.0597, 22.3879, 16.7782



31.8528, 16.6774, 1.5407



14.6340, 14.4708, 16.2733



19.8170, 10.0610, 7.9310



1.5102, 0.7618, 0.8275

Previews

White Background



This preview shows how the XYZ color 31.4315, 56.5231, 30.0223 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 31.4315, 56.5231, 30.0223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

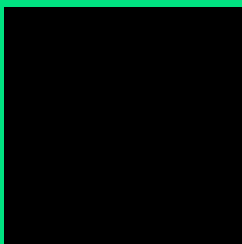
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

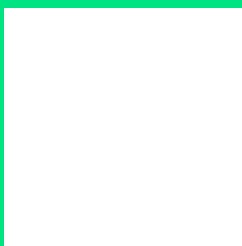
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4315, 56.5231, 30.0223

Background



This preview shows how black text looks on a background with the XYZ color 31.4315, 56.5231, 30.0223.

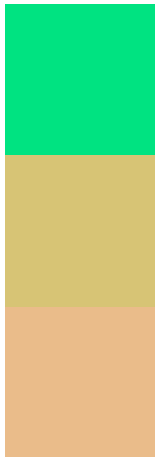


This preview shows how white text looks on a background with the XYZ color 31.4315, 56.5231,

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

31.4315, 56.5231, 30.0223

Protanopia

50.9751, 55.2113, 24.7998

Deuteranopia

56.5023, 55.2938, 31.7395



Tritanopia

42.5221, 56.3119, 84.9721

Trichromacy



Original Color

31.4315, 56.5231, 30.0223



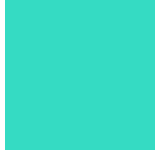
Protanomaly

36.0805, 51.3245, 26.0941



Deuteranomaly

37.8881, 50.3799, 30.6490



Tritanomaly

36.6500, 55.3601, 60.3837

Monochromacy



Original Color

31.4315, 56.5231, 30.0223



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.1460, 35.7471, 30.7738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4315, 56.5231, 30.0223 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, 227, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 129)  
}
```

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, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 129) }
```

Border

The CSS property to change the border of an element to XYZ 31.4315, 56.5231, 30.0223 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, 227, 129) }
```


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

```
.border{ border-color:rgb(0, 227, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4315, 56.5231, 30.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 129) }
```

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

```
.background{ background-color: rgb(0, 227,  
129) }
```

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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