

Converting Colors

XYZ(31.3778, 55.3724, 33.2207)

Have a look what the booklet for
XYZ(31.3778, 55.3724, 33.2207)
contains.

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Color

**XYZ(31.2431, 55.1463,
33.0424)**

Conversions

Conversions Part 1

Format	Color
Hex	00E08A
RGB	0, 224, 138
RGB Percent	0%, 88%, 54%
CMY	0.9999, 0.1216, 0.4588
CMYK	1.00, 0.00, 0.38, 0.12
HSL	157°, 100%, 44%
HSV	157°, 100%, 88%
XYZ	31.2431, 55.1463, 33.0424
YIQ	147.2200, -105.8980, -74.2340

Conversions

Conversions Part 2

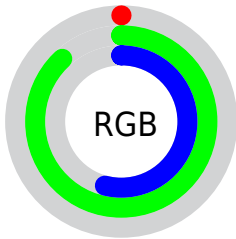
Format	Color
RYB	0, 139, 224
Decimal	57482
CIELab	79.13, -64.95, 29.61
CIELCh	79, 71.383, 155.494
Yxy	55.1463, 0.2616, 0.4617
Android (android.graphics.Color)	4278247562 (0xFF00E08A)
YUV	147.2200, -4.5455, -129.1119
Hunter-Lab	74.2606, -54.8570, 25.6012

Details

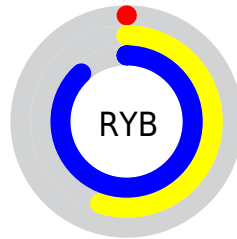
The XYZ color **31.2431, 55.1463, 33.0424** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.4223, 16.5205, 10.2882**, and the grayscale version is **27.8769, 29.3286, 31.9389**.

A 20% lighter version of the original color is **51.3378, 78.4516, 62.3061**, and **15.5390, 28.3256, 13.6652** is the 20% darker color. If you saturate the color by 10%, you get **31.2438, 55.1482, 33.0410**, and if you desaturate by 10%, it is **32.2322, 55.5829, 36.4706**.

Distribution



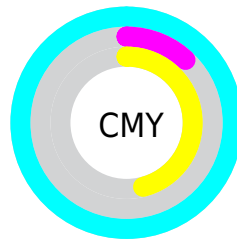
- Red (0%)
- Green (88%)
- Blue (54%)



- Red (0%)
- Yellow (55%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2431, 55.1463, 33.0424 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 31.2431, 55.1463, 33.0424 by changing the saturation by 10% instead.


 31.2431, 55.1463,
33.0424


 31.2431, 55.1463,
33.0424


299.4636,
406.4663, 330.4786


 20.9368, 39.5189,
21.8875


 60.9958, 97.7553,
65.5585


 13.1900, 27.1636,
13.5768


 81.1730, 125.5056,
87.7568


 7.6374, 17.6961,
7.6915


 105.3711,
158.0657, 114.4734

 3.9137, 10.7321,
3.8133

 133.9555,
195.8199, 146.1267

 1.6534, 5.8870,
1.5235

 167.2916,
239.1527, 183.1354

 0.4268, 2.7765,
0.2353

205.7448,

 0.0000, 1.0162,

288.4484, 225.9179

0.0000

249.6803,
344.0915, 274.8928

■ 0.0000, 0.0000,
0.0000

■ 31.2431, 55.1463,
33.0424

■ 31.2431, 55.1463,
33.0424

■ 31.2438, 55.1482,
33.0410

■ 32.2322, 55.5829,
36.4706

■ 33.6645, 56.2405,
40.1815

■ 35.6697, 57.1877,
44.1880

■ 38.3217, 58.4622,
48.4989

■ 41.6825, 60.0959,
53.1224

■ 45.8068, 62.1169,
58.0661

■ 50.7435, 64.5503,
63.3371

■ 56.5374, 67.4191,
68.9426

■ 63.2301, 70.7446,
74.8890

Harmonies

Analogous

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



38.0728, 55.1463, 16.1602



31.2431, 55.1463, 33.0424



29.6147, 55.1463, 67.8680

Triad

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



31.2431, 55.1463, 33.0424



55.0797, 55.1463, 176.7790



78.0119, 55.1463, 25.0584

Complementary

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



31.2431, 55.1463, 33.0424



32.4223, 16.5205, 10.2882

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.



84.6596, 55.1463, 52.8474



31.2431, 55.1463, 33.0424



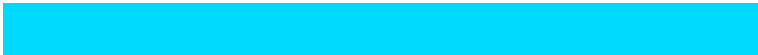
69.9703, 55.1463, 149.1691

Square

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



31.2431, 55.1463, 33.0424



41.8600, 55.1463, 163.3652



81.4786, 55.1463, 98.7894



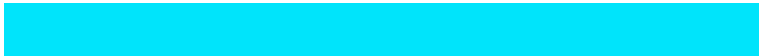
64.6097, 55.1463, 13.2289

Rectangle

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



31.2431, 55.1463, 33.0424



31.3846, 55.1463, 100.5061



81.4786, 55.1463, 98.7894



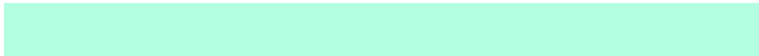
81.2113, 55.1463, 32.2268

Sweetspot

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



31.2445, 55.1485, 33.0437



67.9114, 86.5148, 84.8032



30.8356, 55.4676, 9.0817



13.9068, 18.2073, 17.4979



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

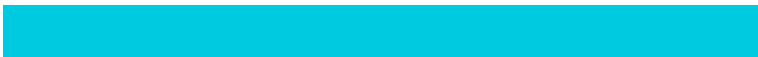
The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2445, 55.1485, 33.0437



41.8535, 73.9574, 44.0081



34.4833, 47.4382, 77.8627



13.8819, 15.4785, 16.4132



18.2432, 32.1221, 19.5358



1.3078, 2.2439, 1.5823

Inverse Universe

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



32.4223, 16.5205, 10.2882



43.4403, 22.1401, 13.5168



31.0367, 16.4378, 1.5375



13.9239, 13.7872, 15.3697



18.9231, 9.6363, 6.2609



1.3544, 0.6850, 0.6593

Previews

White Background



This preview shows how the XYZ color 31.2431, 55.1463, 33.0424 looks on a white background.

Color Contrast Check

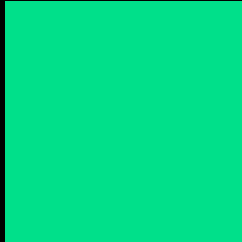
Large Text (above 18pt) WCAG AA × Fail

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 31.2431, 55.1463, 33.0424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

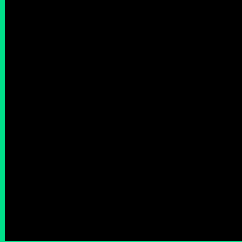
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2431, 55.1463, 33.0424

Background



This preview shows how black text looks on a background with the XYZ color 31.2431, 55.1463, 33.0424.



This preview shows how white text looks on a background with the XYZ color 31.2431, 55.1463,

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

31.2431, 55.1463, 33.0424

Protanopia

49.9217, 53.9388, 27.5187

Deuteranopia

55.1385, 53.8824, 35.0980



Tritanopia

41.3854, 55.0071, 83.2991

Trichromacy



Original Color

31.2431, 55.1463, 33.0424



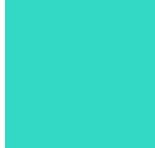
Protanomaly

35.6921, 50.3427, 28.9550



Deuteranomaly

37.5424, 49.4332, 33.9484



Tritanomaly

36.2561, 54.3607, 61.4051

Monochromacy



Original Color

31.2431, 55.1463, 33.0424



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.9801, 35.0532, 31.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2431, 55.1463, 33.0424 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, 224, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 138)  
}
```

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, 224, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.2431, 55.1463, 33.0424 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, 224, 138) }
```


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

```
.border{ border-color:rgb(0, 224, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2431, 55.1463, 33.0424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 138) }
```

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

```
.background{ background-color: rgb(0, 224,  
138) }
```

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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