

Converting Colors

XYZ(30.6827, 56.2036, 26.1410)

Have a look what the booklet for
XYZ(30.6827, 56.2036, 26.1410)
contains.

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Color

**XYZ(30.6800, 56.2225,
26.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	00E375
RGB	0, 227, 117
RGB Percent	0%, 89%, 46%
CMY	0.9999, 0.1098, 0.5412
CMYK	1.00, 0.00, 0.48, 0.11
HSL	151°, 100%, 45%
HSV	151°, 100%, 89%
XYZ	30.6800, 56.2225, 26.0647
YIQ	146.5870, -99.9820, -82.3340

Conversions

Conversions Part 2

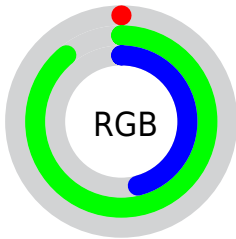
Format	Color
RYB	0, 150, 227
Decimal	58229
CIELab	79.74, -69.69, 40.89
CIELCh	80, 80.797, 149.599
Yxy	56.2225, 0.2716, 0.4977
Android (android.graphics.Color)	4278248309 (0xFF00E375)
YUV	146.5870, -14.5864, -128.5568
Hunter-Lab	74.9817, -58.1817, 31.8771

Details

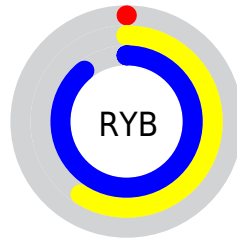
The XYZ color **30.6800, 56.2225, 26.0647** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.4954, 17.4581, 16.3086**, and the grayscale version is **27.6534, 29.0935, 31.6828**.

A 20% lighter version of the original color is **49.2950, 77.6484, 50.9176**, and **15.3581, 29.1428, 9.9699** is the 20% darker color. If you saturate the color by 10%, you get **30.6807, 56.2245, 26.0634**, and if you desaturate by 10%, it is **31.7136, 56.6777, 29.6919**.

Distribution



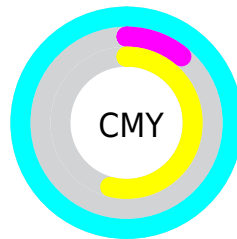
- Red (0%)
- Green (89%)
- Blue (46%)



- Red (0%)
- Yellow (59%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6800, 56.2225, 26.0647 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 30.6800, 56.2225, 26.0647 by changing the saturation by 10% instead.


 30.6800, 56.2225,
26.0647


 30.6800, 56.2225,
26.0647


296.9146,
410.5295, 296.7151


 20.5059, 40.3813,
16.6458


 60.1152, 99.3298,
54.3647


 12.8737, 27.8360,
9.8230


 80.1070, 127.3648,
74.0829


 7.4181, 18.2021,
5.1777


 104.1021,
160.2331, 98.0713

 3.7735, 11.0952,
2.2913

 132.4659,
198.3192, 126.7484

 1.5748, 6.1309,
0.7264

 165.5637,
242.0075, 160.5328

 0.3759, 2.9248,
0.0000

203.7608,

 0.0000, 1.0926,

291.6824, 199.8430

0.0000

247.4227,
347.7283, 245.0976

■ 0.0000, 0.0000,
0.0000

■ 30.6800, 56.2225,
26.0647

■ 30.6800, 56.2225,
26.0647

■ 30.6807, 56.2245,
26.0634

■ 31.7136, 56.6777,
29.6919

■ 33.2313, 57.3719,
33.7504

■ 35.3678, 58.3756,
38.2602

■ 38.2003, 59.7286,
43.2367

■ 41.7943, 61.4643,
48.6946

■ 46.2073, 63.6121,
54.6474

■ 51.4910, 66.1984,
61.1082

■ 57.6926, 69.2474,
68.0895

■ 64.8560, 72.7814,
75.6033

Harmonies

Analogous

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



39.3854, 56.2225, 11.6016



30.6800, 56.2225, 26.0647



27.7949, 56.2225, 60.5904

Triad

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



30.6800, 56.2225, 26.0647



53.2186, 56.2225, 202.2825



85.6391, 56.2225, 26.6857

Complementary

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



30.6800, 56.2225, 26.0647



34.4954, 17.4581, 16.3086

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.



91.3708, 56.2225, 61.8474



30.6800, 56.2225, 26.0647



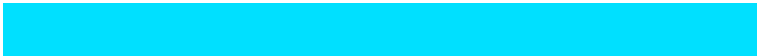
70.4888, 56.2225, 177.3621

Square

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



30.6800, 56.2225, 26.0647



39.0760, 56.2225, 176.0879



85.3389, 56.2225, 118.9036



70.9470, 56.2225, 11.8102

Rectangle

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



30.6800, 56.2225, 26.0647



28.9873, 56.2225, 96.5921



85.3389, 56.2225, 118.9036



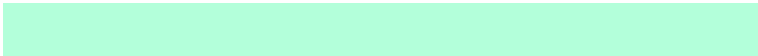
88.7961, 56.2225, 35.7432

Sweetspot

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



30.6814, 56.2248, 26.0660



66.8804, 86.1024, 79.3741



34.3461, 58.4849, 9.4790



13.6621, 18.1094, 16.2092



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.



30.6814, 56.2248, 26.0660



39.8855, 73.1702, 33.6447



41.3360, 60.4866, 82.1722



14.4979, 16.2126, 16.8866



17.9517, 32.8128, 15.5118



1.3735, 2.4435, 1.3933

Inverse Universe

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



34.4954, 17.4581, 16.3086



44.8513, 22.7045, 20.9471



31.6800, 16.3319, 1.4831



14.6665, 14.4838, 16.4444



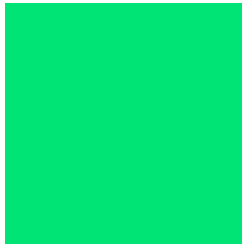
20.1751, 10.2043, 9.8171



1.5377, 0.7728, 0.9718

Previews

White Background



This preview shows how the XYZ color 30.6800, 56.2225, 26.0647 looks on a white background.

Color Contrast Check

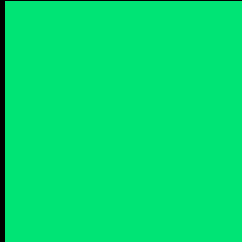
Large Text (above 18pt) WCAG AA × Fail

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 30.6800, 56.2225, 26.0647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

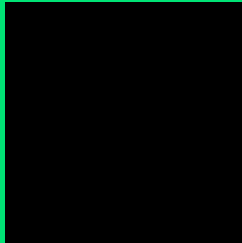
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6800, 56.2225, 26.0647

Background



This preview shows how black text looks on a background with the XYZ color 30.6800, 56.2225, 26.0647.

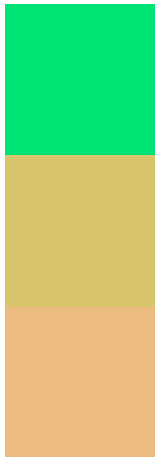


This preview shows how white text looks on a background with the XYZ color 30.6800, 56.2225,

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

30.6800, 56.2225, 26.0647

Protanopia

50.6603, 55.1194, 21.6047

Deuteranopia

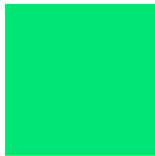
56.1932, 54.9058, 27.7149



Tritanopia

42.4498, 55.8978, 84.8959

Trichromacy



Original Color

30.6800, 56.2225, 26.0647



Protanomaly

35.4438, 51.0698, 22.7412



Deuteranomaly

37.2734, 50.1552, 26.4553



Tritanomaly

36.2013, 55.1930, 57.4605

Monochromacy



Original Color

30.6800, 56.2225, 26.0647



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.5854, 35.2079, 28.7926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6800, 56.2225, 26.0647 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 117) }
```

Border

The CSS property to change the border of an element to XYZ 30.6800, 56.2225, 26.0647 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, 117) }
```


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

```
.border{ border-color:rgb(0, 227, 117) }
```

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, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6800, 56.2225, 26.0647 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, 117) }
```

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

```
.background{ background-color: rgb(0, 227,  
117) }
```

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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