

Converting Colors

XYZ(16.6308, 31.4929, 10.9965)

Have a look what the booklet for
XYZ(16.6308, 31.4929, 10.9965)
contains.

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Color

**XYZ(16.6308, 31.4929,
10.9965)**

Conversions

Conversions Part 1

Format	Color
Hex	00B046
RGB	0, 176, 70
RGB Percent	0%, 69%, 27%
CMY	1.0000, 0.3098, 0.7255
CMYK	1.00, 0.00, 0.60, 0.31
HSL	144°, 100%, 35%
HSV	144°, 100%, 69%
XYZ	16.6308, 31.4929, 10.9965
YIQ	111.2920, -70.8700, -70.2780

Conversions

Conversions Part 2

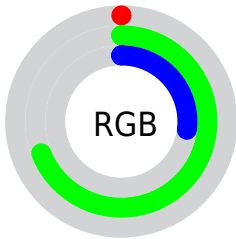
Format	Color
RYB	0, 126, 176
Decimal	45126
CIELab	62.92, -60.52, 42.93
CIELCh	63, 74.202, 144.648
Yxy	31.4929, 0.2813, 0.5327
Android (android.graphics.Color)	4278235206 (0xFF00B046)
YUV	111.2920, -20.3570, -97.6031
Hunter-Lab	56.1185, -45.3087, 27.6650

Details

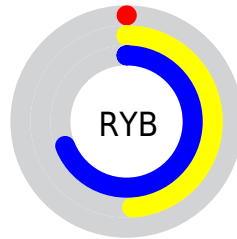
The XYZ color **16.6308, 31.4929, 10.9965** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.5068, 10.2711, 14.5378**, and the grayscale version is **15.2671, 16.0621, 17.4917**.

A 20% lighter version of the original color is **37.2679, 62.0627, 28.4274**, and **7.0531, 13.9565, 2.8123** is the 20% darker color. If you saturate the color by 10%, you get **16.6315, 31.4942, 10.9971**, and if you desaturate by 10%, it is **17.2384, 31.7649, 12.9294**.

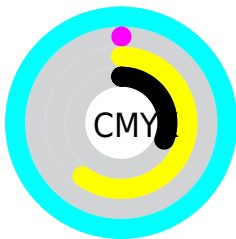
Distribution



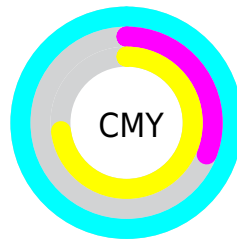
- Red (0%)
- Green (69%)
- Blue (27%)



- Red (0%)
- Yellow (49%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6308, 31.4929, 10.9965 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 16.6308, 31.4929, 10.9965 by changing the saturation by 10% instead.


 16.6308, 31.4929,
10.9965


 16.6308, 31.4929,
10.9965


226.2337,
308.8027, 208.3801


 10.0653, 20.9745,
5.9503


 37.2386, 62.0153,
28.2902


 5.5049, 13.1053,
2.7466


 52.0115, 82.7880,
41.3749


 2.5842, 7.5011,
0.9668


 70.2510, 107.7476,
57.9762

 0.9379, 3.7774,
0.0000

 92.3224, 137.2785,
78.5125

 0.0000, 1.5499,
0.0000

 118.5909,
171.7650, 103.4026

 0.0000, 0.3234,
0.0000

 149.4221,

 0.0000, 0.0000,

211.5917, 133.0648

0.0000

185.1812,
257.1428, 167.9178

■ 16.6308, 31.4929,
10.9965

■ 16.6308, 31.4929,
10.9965

■ 16.6315, 31.4942,
10.9971

■ 17.2384, 31.7649,
12.9294

■ 18.1231, 32.1716,
15.1981

■ 19.3723, 32.7589,
17.8213

■ 21.0280, 33.5479,
20.8143

■ 23.1261, 34.5569,
24.1913

■ 25.6982, 35.8020,
27.9655

■ 28.7731, 37.2978,
32.1499

■ 32.3770, 39.0574,
36.7563

■ 36.5345, 41.0934,
41.7965

Harmonies

Analogous

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



22.4848, 31.4929, 4.3996



16.6308, 31.4929, 10.9965



14.3596, 31.4929, 29.3196

Triad

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



16.6308, 31.4929, 10.9965



28.1430, 31.4929, 125.9566



51.4988, 31.4929, 15.8125

Complementary

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



16.6308, 31.4929, 10.9965



20.5068, 10.2711, 14.5378

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.



53.9774, 31.4929, 39.7935



16.6308, 31.4929, 10.9965



38.8676, 31.4929, 114.7223

Square

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



16.6308, 31.4929, 10.9965



19.9699, 31.4929, 103.4112



48.9198, 31.4929, 78.0666



42.7570, 31.4929, 5.8694

Rectangle

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



16.6308, 31.4929, 10.9965



14.7001, 31.4929, 50.5225



48.9198, 31.4929, 78.0666



53.1648, 31.4929, 21.9708

Sweetspot

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



16.6316, 31.4942, 10.9972



51.8661, 67.4888, 57.8891



21.7757, 34.2738, 5.4678



10.7233, 14.3742, 11.8533



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.6316, 31.4942, 10.9972



30.0583, 57.0759, 19.3934



21.4819, 33.4343, 36.5388



8.5243, 9.5442, 9.7547



12.2296, 23.1178, 8.2118



0.4140, 0.7391, 0.4121

Inverse Universe

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



20.5068, 10.2711, 14.5378



37.0763, 18.5818, 25.7610



18.0363, 9.2829, 1.5282



8.7040, 8.5883, 9.9399



15.0751, 7.5476, 10.8212



0.5021, 0.2486, 0.4869

Previews

White Background



This preview shows how the XYZ color 16.6308, 31.4929, 10.9965 looks on a white background.

Color Contrast Check

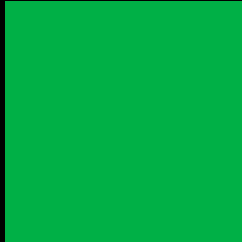
Large Text (above 18pt) WCAG AA × Fail

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 16.6308, 31.4929, 10.9965 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 16.6308, 31.4929, 10.9965

Background



This preview shows how black text looks on a background with the XYZ color 16.6308, 31.4929, 10.9965.



This preview shows how white text looks on a background with the XYZ color 16.6308, 31.4929,

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

16.6308, 31.4929, 10.9965

Protanopia

28.1123, 30.8169, 9.1692

Deuteranopia

31.3921, 30.8253, 11.6925



Tritanopia

24.0168, 31.4267, 46.9196

Trichromacy



Original Color

16.6308, 31.4929, 10.9965



Protanomaly

19.6176, 28.6608, 9.6524



Deuteranomaly

20.6642, 28.1503, 11.1819



Tritanomaly

19.9304, 30.7979, 29.3202

Monochromacy



Original Color

16.6308, 31.4929, 10.9965



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.3738, 19.5121, 14.1277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6308, 31.4929, 10.9965 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, 176, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 70)  
}
```

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, 176, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.6308, 31.4929, 10.9965 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, 176, 70) }
```


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

```
.border{ border-color:rgb(0, 176, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6308, 31.4929, 10.9965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 70) }
```

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

```
.background{ background-color: rgb(0, 176,  
70) }
```

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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