

Converting Colors

XYZ(16.6930, 31.7299, 10.6697)

Have a look what the booklet for
XYZ(16.6930, 31.7299, 10.6697)
contains.

XYZ(16.7655, 31.8616, 10.7351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7655, 31.8616,
10.7351)**

Conversions

Conversions Part 1

Format	Color
Hex	00B144
RGB	0, 177, 68
RGB Percent	0%, 69%, 27%
CMY	1.0000, 0.3059, 0.7333
CMYK	1.00, 0.00, 0.62, 0.31
HSL	143°, 100%, 35%
HSV	143°, 100%, 69%
XYZ	16.7655, 31.8616, 10.7351
YIQ	111.6510, -70.5030, -71.4230

Conversions

Conversions Part 2

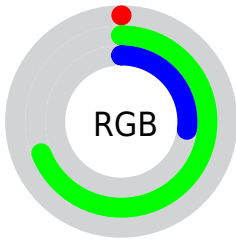
Format	Color
RYB	0, 128, 177
Decimal	45380
CIELab	63.23, -61.09, 44.21
CIELCh	63, 75.407, 144.109
Yxy	31.8616, 0.2824, 0.5367
Android (android.graphics.Color)	4278235460 (0xFF00B144)
YUV	111.6510, -21.5199, -97.9179
Hunter-Lab	56.4461, -45.7629, 28.2363

Details

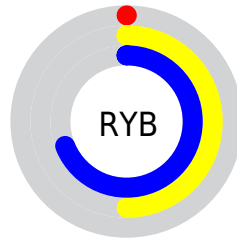
The XYZ color **16.7655, 31.8616, 10.7351** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **20.8927, 10.4517, 15.3852**, and the grayscale version is **15.3754, 16.1762, 17.6158**.

A 20% lighter version of the original color is **37.5323, 62.6346, 27.8808**, and **7.1556, 14.1950, 2.7435** is the 20% darker color. If you saturate the color by 10%, you get **16.7662, 31.8629, 10.7355**, and if you desaturate by 10%, it is **17.3745, 32.1344, 12.6655**.

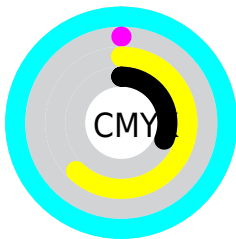
Distribution



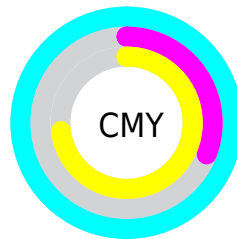
- Red (0%)
- Green (69%)
- Blue (27%)



- Red (0%)
- Yellow (50%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (31%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7655, 31.8616, 10.7351 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 16.7655, 31.8616, 10.7351 by changing the saturation by 10% instead.


 16.7655, 31.8616,
10.7351


 16.7655, 31.8616,
10.7351


227.0001,
310.4883, 206.5128


 10.1617, 21.2558,
5.7771

 37.4690, 62.5941,
27.7984


 5.5694, 13.3111,
2.6434


 52.2993, 83.4895,
40.7408


 2.6232, 7.6431,
0.9147


 70.6026, 108.5837,
57.1816

 0.9578, 3.8675,
0.0000

 92.7442, 138.2609,
77.5396

 0.0000, 1.5997,
0.0000

 119.0893,
172.9055, 102.2331

 0.0000, 0.3574,
0.0000

 150.0035,

 0.0000, 0.0000,

212.9021, 131.6808

0.0000

185.8519,
258.6349, 166.3012

■ 16.7655, 31.8616,
10.7351

■ 16.7655, 31.8616,
10.7351

■ 16.7662, 31.8629,
10.7355

■ 17.3745, 32.1344,
12.6655

■ 18.2668, 32.5448,
14.9481

■ 19.5309, 33.1390,
17.6030

■ 21.2096, 33.9388,
20.6468

■ 23.3394, 34.9626,
24.0949

■ 25.9527, 36.2269,
27.9617

■ 29.0787, 37.7465,
32.2610

■ 32.7442, 39.5349,
37.0058

■ 36.9742, 41.6048,
42.2087

Harmonies

Analogous

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



22.8060, 31.8616, 4.2366



16.7655, 31.8616, 10.7351



14.3908, 31.8616, 29.1234

Triad

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



16.7655, 31.8616, 10.7351



28.2710, 31.8616, 128.9652



52.5325, 31.8616, 16.1179

Complementary

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



16.7655, 31.8616, 10.7351



20.8927, 10.4517, 15.3852

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.



54.9420, 31.8616, 40.9284



16.7655, 31.8616, 10.7351



39.2392, 31.8616, 117.9931

Square

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



16.7655, 31.8616, 10.7351



19.9798, 31.8616, 105.1542



49.6160, 31.8616, 80.4479



43.6318, 31.8616, 5.8600

Rectangle

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



16.7655, 31.8616, 10.7351



14.6970, 31.8616, 50.6665



49.6160, 31.8616, 80.4479



54.2026, 31.8616, 22.4866

Sweetspot

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



16.7663, 31.8629, 10.7358



51.7658, 67.4487, 57.3608



22.0483, 34.7064, 5.5370



10.6996, 14.3647, 11.7284



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.



16.7663, 31.8629, 10.7358



29.9263, 57.0231, 18.6986



21.7535, 33.8578, 36.9982



8.5196, 9.5423, 9.7299



12.1749, 23.0959, 7.9240



0.4121, 0.7383, 0.4021

Inverse Universe

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



20.8927, 10.4517, 15.3852



37.3053, 18.6733, 26.9666



18.2644, 9.4004, 1.5446



8.7089, 8.5903, 9.9655



15.1672, 7.5844, 11.3062



0.5047, 0.2496, 0.5003

Previews

White Background



This preview shows how the XYZ color 16.7655, 31.8616, 10.7351 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 16.7655, 31.8616, 10.7351 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 16.7655, 31.8616, 10.7351

Background



This preview shows how black text looks on a background with the XYZ color 16.7655, 31.8616, 10.7351.



This preview shows how white text looks on a background with the XYZ color 16.7655, 31.8616,

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

16.7655, 31.8616, 10.7351

Protanopia

28.4327, 31.2284, 8.9440

Deuteranopia

31.9941, 31.3657, 11.5756



Tritanopia

24.3714, 31.8667, 47.5142

Trichromacy



Original Color

16.7655, 31.8616, 10.7351



Protanomaly

19.8546, 29.0480, 9.4109



Deuteranomaly

20.9008, 28.5303, 10.8839



Tritanomaly

20.1171, 31.1714, 29.3825

Monochromacy



Original Color

16.7655, 31.8616, 10.7351



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.5140, 19.7924, 14.1744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7655, 31.8616, 10.7351 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, 177, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 68)  
}
```

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, 177, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.7655, 31.8616, 10.7351 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, 177, 68) }
```


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

```
.border{ border-color:rgb(0, 177, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 177, 68); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 177, 68); box-shadow:4px 4px 4px 4px rgb(0, 177, 68) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7655, 31.8616, 10.7351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 68) }
```

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

```
.background{ background-color: rgb(0, 177,  
68) }
```

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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