

Converting Colors

XYZ(15.1858, 30.5783, 16.1058)

Have a look what the booklet for
XYZ(15.1858, 30.5783, 16.1058)
contains.

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Color

**XYZ(17.6367, 31.8952,
16.2932)**

Conversions

Conversions Part 1

Format	Color
Hex	00B060
RGB	0, 176, 96
RGB Percent	0%, 69%, 38%
CMY	0.9999, 0.3098, 0.6235
CMYK	1.00, 0.00, 0.45, 0.31
HSL	153°, 100%, 35%
HSV	153°, 100%, 69%
XYZ	17.6367, 31.8952, 16.2932
YIQ	114.2560, -79.2160, -62.1920

Conversions

Conversions Part 2

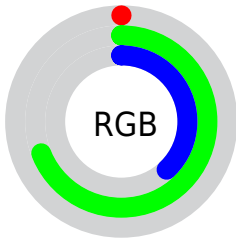
Format	Color
RYB	0, 114, 176
Decimal	45152
CIELab	63.26, -56.43, 30.47
CIELCh	63, 64.134, 151.636
Yxy	31.8952, 0.2679, 0.4845
Android (android.graphics.Color)	4278235232 (0xFF00B060)
YUV	114.2560, -9.0002, -100.2025
Hunter-Lab	56.4758, -43.0894, 22.4280

Details

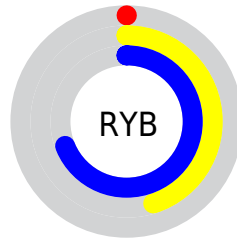
The XYZ color **17.6367, 31.8952, 16.2932** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.3538, 9.8101, 8.4656**, and the grayscale version is **16.1160, 16.9553, 18.4643**.

A 20% lighter version of the original color is **38.9984, 62.7431, 38.0722**, and **7.4930, 14.1325, 5.1292** is the 20% darker color. If you saturate the color by 10%, you get **17.6371, 31.8963, 16.2925**, and if you desaturate by 10%, it is **18.2670, 32.1763, 18.3454**.

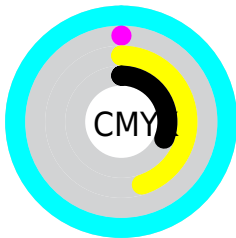
Distribution



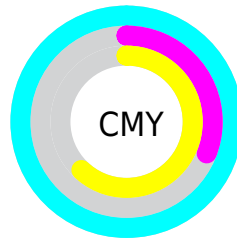
- Red (0%)
- Green (69%)
- Blue (38%)



- Red (0%)
- Yellow (45%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (45%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6367, 31.8952, 16.2932 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 17.6367, 31.8952, 16.2932 by changing the saturation by 10% instead.

■ 17.6367, 31.8952,
16.2932

■ 17.6367, 31.8952,
16.2932

231.9007,
310.6416, 242.9702

■ 10.7876, 21.2815,
9.5753

■ 38.9522, 62.6468,
37.8803

■ 5.9904, 13.3299,
5.0164

■ 54.1494, 83.5534,
53.5866

■ 2.8799, 7.6561,
2.1980

■ 72.8599, 108.6597,
73.1260

■ 1.0905, 3.8757,
0.6732

■ 95.4492, 138.3502,
96.9172

■ 0.0172, 1.6043,
0.0000

■ 122.2825,
173.0093, 125.3787

■ 0.0000, 0.3605,
0.0000

■ 153.7253,

■ 0.0000, 0.0000,

213.0213, 158.9290

0.0000

190.1429,
258.7706, 197.9866

■ 17.6367, 31.8952,
16.2932

■ 17.6367, 31.8952,
16.2932

■ 17.6371, 31.8963,
16.2925

■ 18.2670, 32.1763,
18.3454

■ 19.1512, 32.5828,
20.6100

■ 20.3748, 33.1599,
23.0973

■ 21.9783, 33.9280,
25.8142

■ 23.9961, 34.9050,
28.7673

■ 26.4586, 36.1063,
31.9628

■ 29.3932, 37.5459,
35.4066

■ 32.8249, 39.2367,
39.1046

■ 36.7771, 41.1906,
43.0621

Harmonies

Analogous

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



22.2128, 31.8952, 7.5168



17.6367, 31.8952, 16.2932



16.2511, 31.8952, 36.1435

Triad

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



17.6367, 31.8952, 16.2932



30.8056, 31.8952, 110.1228



47.2991, 31.8952, 14.8762

Complementary

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



17.6367, 31.8952, 16.2932



19.3538, 9.8101, 8.4656

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.



50.7852, 31.8952, 33.3509



17.6367, 31.8952, 16.2932



40.1818, 31.8952, 95.2109

Square

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



17.6367, 31.8952, 16.2932



22.9062, 31.8952, 97.9722



47.9580, 31.8952, 63.5226



39.1715, 31.8952, 7.0246

Rectangle

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



17.6367, 31.8952, 16.2932



17.0532, 31.8952, 56.0576



47.9580, 31.8952, 63.5226



49.1168, 31.8952, 19.6392

Sweetspot

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



17.6375, 31.8965, 16.2939



53.0018, 67.9430, 63.8694



19.0180, 32.8521, 5.3391



10.9934, 14.4822, 13.2754



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.



17.6375, 31.8965, 16.2939



31.8707, 57.8009, 28.9376



22.2373, 31.9355, 46.0680



8.5764, 9.5650, 10.0288



12.9700, 23.4140, 12.1108



0.4371, 0.7483, 0.5336

Inverse Universe

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



19.3538, 9.8101, 8.4656



34.9881, 17.7465, 14.7648



17.9691, 9.3581, 0.8596



8.6516, 8.5674, 9.6639



14.2282, 7.2088, 6.3617



0.4772, 0.2386, 0.3558

Previews

White Background



This preview shows how the XYZ color 17.6367, 31.8952, 16.2932 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 17.6367, 31.8952, 16.2932 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 17.6367, 31.8952, 16.2932

Background



This preview shows how black text looks on a background with the XYZ color 17.6367, 31.8952, 16.2932.



This preview shows how white text looks on a background with the XYZ color 17.6367, 31.8952,

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

17.6367, 31.8952, 16.2932

Protanopia

28.8849, 31.3601, 13.5475

Deuteranopia

31.8650, 31.1752, 17.1699



Tritanopia

24.1212, 31.7260, 48.0324

Trichromacy



Original Color

17.6367, 31.8952, 16.2932



Protanomaly

20.5342, 29.2921, 14.2445



Deuteranomaly

21.3912, 28.4100, 16.4128



Tritanomaly

20.7544, 31.4116, 33.4029

Monochromacy



Original Color

17.6367, 31.8952, 16.2932



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.3472, 20.3693, 17.0854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6367, 31.8952, 16.2932 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 96) }
```

Border

The CSS property to change the border of an element to XYZ 17.6367, 31.8952, 16.2932 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, 96) }
```


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

```
.border{ border-color:rgb(0, 176, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6367, 31.8952, 16.2932 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, 96) }
```

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

```
.background{ background-color: rgb(0, 176,  
96) }
```

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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