

Converting Colors

XYZ(17.3001, 31.8669, 15.3024)

Have a look what the booklet for
XYZ(17.3001, 31.8669, 15.3024)
contains.

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Color

**XYZ(17.4571, 31.8234,
15.3477)**

Conversions

Conversions Part 1

Format	Color
Hex	00B05C
RGB	0, 176, 92
RGB Percent	0%, 69%, 36%
CMY	1.0000, 0.3098, 0.6392
CMYK	1.00, 0.00, 0.48, 0.31
HSL	151°, 100%, 35%
HSV	151°, 100%, 69%
XYZ	17.4571, 31.8234, 15.3477
YIQ	113.8000, -77.9320, -63.4360

Conversions

Conversions Part 2

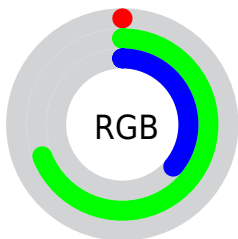
Format	Color
RYB	0, 116, 176
Decimal	45148
CIELab	63.20, -57.15, 32.46
CIElCh	63, 65.725, 150.404
Yxy	31.8234, 0.2701, 0.4924
Android (android.graphics.Color)	4278235228 (0xFF00B05C)
YUV	113.8000, -10.7474, -99.8026
Hunter-Lab	56.4122, -43.4835, 23.3579

Details

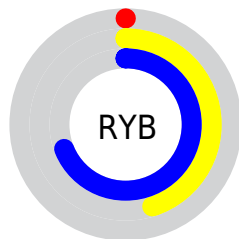
The XYZ color **17.4571, 31.8234, 15.3477** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.5058, 9.8708, 9.2661**, and the grayscale version is **15.9832, 16.8156, 18.3122**.

A 20% lighter version of the original color is **38.6110, 62.5882, 36.0323**, and **7.4142, 14.1009, 4.7139** is the 20% darker color. If you saturate the color by 10%, you get **17.4577, 31.8246, 15.3478**, and if you desaturate by 10%, it is **18.0879, 32.1047, 17.4026**.

Distribution



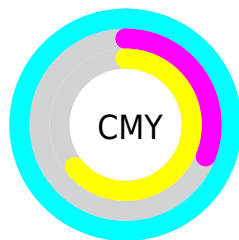
- Red (0%)
- Green (69%)
- Blue (36%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4571, 31.8234, 15.3477 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 17.4571, 31.8234, 15.3477 by changing the saturation by 10% instead.

■ 17.4571, 31.8234,
15.3477

■ 17.4571, 31.8234,
15.3477

230.8982,
310.3140, 237.1740

■ 10.6582, 21.2266,
8.9144

■ 38.6474, 62.5341,
36.2129

■ 5.9031, 13.2898,
4.5894

■ 53.7696, 83.4169,
51.4819

■ 2.8264, 7.6284,
1.9539

■ 72.3969, 108.4971,
70.5333

■ 1.0626, 3.8581,
0.5267

■ 94.8947, 138.1592,
93.7855

■ 0.0000, 1.5945,
0.0000

■ 121.6284,
172.7875, 121.6572

■ 0.0000, 0.3539,
0.0000

■ 152.9633,

■ 0.0000, 0.0000,

212.7665, 154.5668

0.0000

189.2648,
258.4805, 192.9329

■ 17.4571, 31.8234,
15.3477

■ 17.4571, 31.8234,
15.3477

■ 17.4577, 31.8246,
15.3478

■ 18.0879, 32.1047,
17.4026

■ 18.9758, 32.5127,
19.6880

■ 20.2069, 33.0927,
22.2150

■ 21.8216, 33.8653,
24.9915

■ 23.8545, 34.8483,
28.0249

■ 26.3362, 36.0573,
31.3224

■ 29.2942, 37.5063,
34.8906

■ 32.7538, 39.2082,
38.7360

■ 36.7383, 41.1750,
42.8647

Harmonies

Analogous

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



22.2389, 31.8234, 6.9320



17.4571, 31.8234, 15.3477



15.9245, 31.8234, 35.0041

Triad

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



17.4571, 31.8234, 15.3477



30.3705, 31.8234, 112.6308



47.9562, 31.8234, 14.9955

Complementary

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



17.4571, 31.8234, 15.3477



19.5058, 9.8708, 9.2661

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.



51.2971, 31.8234, 34.2988



17.4571, 31.8234, 15.3477



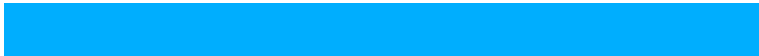
39.9786, 31.8234, 98.1991

Square

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



17.4571, 31.8234, 15.3477



22.4131, 31.8234, 98.9070



48.1238, 31.8234, 65.7019



39.7223, 31.8234, 6.8120

Rectangle

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



17.4571, 31.8234, 15.3477



16.6496, 31.8234, 55.1854



48.1238, 31.8234, 65.7019



49.7546, 31.8234, 19.9698

Sweetspot

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



17.4579, 31.8247, 15.3484



52.8221, 67.8712, 62.9231



19.2788, 32.9865, 5.3511



10.9505, 14.4651, 13.0493



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.



17.4579, 31.8247, 15.3484



31.5458, 57.6709, 27.2266



22.7938, 33.0487, 46.2536



8.5683, 9.5618, 9.9863



12.8383, 23.3613, 11.4172



0.4332, 0.7467, 0.5133

Inverse Universe

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



19.5058, 9.8708, 9.2661



35.2622, 17.8561, 16.2080



17.9371, 9.2943, 0.8488



8.6596, 8.5706, 9.7060



14.3403, 7.2537, 6.9519



0.4808, 0.2400, 0.3743

Previews

White Background



This preview shows how the XYZ color 17.4571, 31.8234, 15.3477 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 17.4571, 31.8234, 15.3477 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 17.4571, 31.8234, 15.3477

Background



This preview shows how black text looks on a background with the XYZ color 17.4571, 31.8234, 15.3477.



This preview shows how white text looks on a background with the XYZ color 17.4571, 31.8234,

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

17.4571, 31.8234, 15.3477

Protanopia

28.7259, 31.2965, 12.7104

Deuteranopia

31.9541, 31.2382, 16.4020



Tritanopia

24.1892, 31.7610, 48.0356

Trichromacy



Original Color

17.4571, 31.8234, 15.3477



Protanomaly

20.3684, 29.2258, 13.3717



Deuteranomaly

21.2486, 28.3530, 15.6620



Tritanomaly

20.7163, 31.4012, 32.9861

Monochromacy



Original Color

17.4571, 31.8234, 15.3477



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.2948, 20.3484, 16.8099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4571, 31.8234, 15.3477 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 92) }
```

Border

The CSS property to change the border of an element to XYZ 17.4571, 31.8234, 15.3477 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, 92) }
```


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

```
.border{ border-color:rgb(0, 176, 92) }
```

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, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4571, 31.8234, 15.3477 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, 92) }
```

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

```
.background{ background-color: rgb(0, 176,  
92) }
```

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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