

Converting Colors

XYZ(14.6716, 30.3222, 15.9488)

Have a look what the booklet for
XYZ(14.6716, 30.3222, 15.9488)
contains.

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Color

**XYZ(17.5909, 31.8769,
16.0522)**

Conversions

Conversions Part 1

Format	Color
Hex	00B05F
RGB	0, 176, 95
RGB Percent	0%, 69%, 37%
CMY	1.0000, 0.3098, 0.6274
CMYK	1.00, 0.00, 0.46, 0.31
HSL	152°, 100%, 35%
HSV	152°, 100%, 69%
XYZ	17.5909, 31.8769, 16.0522
YIQ	114.1420, -78.8950, -62.5030

Conversions

Conversions Part 2

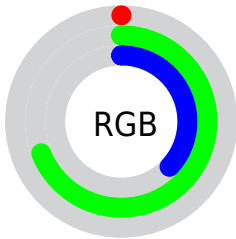
Format	Color
RYB	0, 114, 176
Decimal	45151
CIELab	63.24, -56.62, 30.97
CIELCh	63, 64.532, 151.322
Yxy	31.8769, 0.2685, 0.4865
Android (android.graphics.Color)	4278235231 (0xFF00B05F)
YUV	114.1420, -9.4370, -100.1025
Hunter-Lab	56.4596, -43.1898, 22.6648

Details

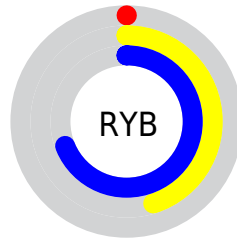
The XYZ color **17.5909, 31.8769, 16.0522** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.3909, 9.8249, 8.6609**, and the grayscale version is **16.0825, 16.9201, 18.4259**.

A 20% lighter version of the original color is **38.9196, 62.7116, 37.6570**, and **7.4726, 14.1243, 5.0217** is the 20% darker color. If you saturate the color by 10%, you get **17.5914, 31.8781, 16.0519**, and if you desaturate by 10%, it is **18.2215, 32.1581, 18.1058**.

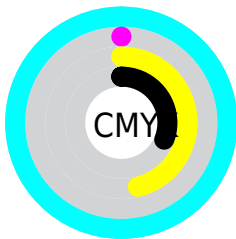
Distribution



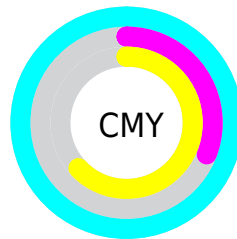
- Red (0%)
- Green (69%)
- Blue (37%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5909, 31.8769, 16.0522 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 17.5909, 31.8769, 16.0522 by changing the saturation by 10% instead.


 17.5909, 31.8769,
16.0522


 17.5909, 31.8769,
16.0522


231.6454,
310.5581, 241.5058


 10.7546, 21.2675,
9.4063


 38.8746, 62.6181,
37.4569


 5.9681, 13.3197,
4.9067

 54.0526, 83.5186,
53.0527


 2.8662, 7.6490,
2.1349


 72.7419, 108.6183,
72.4690

 1.0834, 3.8712,
0.6364

 95.3079, 138.3016,
96.1243

 0.0112, 1.6018,
0.0000

 122.1159,
172.9528, 124.4371

 0.0000, 0.3588,
0.0000

 153.5312,

 0.0000, 0.0000,

212.9563, 157.8259

0.0000

189.9193,
258.6967, 196.7092

■ 17.5909, 31.8769,
16.0522

■ 17.5909, 31.8769,
16.0522

■ 17.5914, 31.8781,
16.0519

■ 18.2215, 32.1581,
18.1058

■ 19.1066, 32.5650,
20.3763

■ 20.3322, 33.1428,
22.8741

■ 21.9386, 33.9121,
25.6065

■ 23.9602, 34.8906,
28.5801

■ 26.4275, 36.0938,
31.8015

■ 29.3680, 37.5358,
35.2768

■ 32.8066, 39.2294,
39.0118

■ 36.7668, 41.1865,
43.0122

Harmonies

Analogous

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



22.2187, 31.8769, 7.3666



17.5909, 31.8769, 16.0522



16.1682, 31.8769, 35.8559

Triad

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



17.5909, 31.8769, 16.0522



30.6960, 31.8769, 110.7513



47.4635, 31.8769, 14.9051

Complementary

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



17.5909, 31.8769, 16.0522



19.3909, 9.8249, 8.6609

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.



50.9137, 31.8769, 33.5859



17.5909, 31.8769, 16.0522



40.1311, 31.8769, 95.9562

Square

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



17.5909, 31.8769, 16.0522



22.7815, 31.8769, 98.2092



48.0000, 31.8769, 64.0644



39.3089, 31.8769, 6.9701

Rectangle

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



17.5909, 31.8769, 16.0522



16.9508, 31.8769, 55.8393



48.0000, 31.8769, 64.0644



49.2765, 31.8769, 19.7207

Sweetspot

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



17.5917, 31.8782, 16.0529



52.9567, 67.9250, 63.6322



19.0178, 32.8520, 5.3390



10.9826, 14.4779, 13.2187



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.



17.5917, 31.8782, 16.0529



31.7879, 57.7678, 28.5017



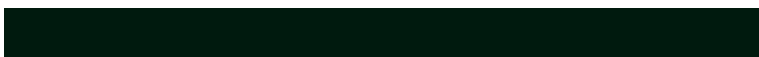
22.2372, 31.9355, 46.0680



8.5743, 9.5642, 10.0182



12.9365, 23.4006, 11.9342



0.4361, 0.7479, 0.5285

Inverse Universe

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



19.3909, 9.8249, 8.6609



35.0550, 17.7732, 15.1171



17.9690, 9.3580, 0.8595



8.6536, 8.5682, 9.6744



14.2556, 7.2198, 6.5060



0.4781, 0.2390, 0.3604

Previews

White Background



This preview shows how the XYZ color 17.5909, 31.8769, 16.0522 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 17.5909, 31.8769, 16.0522 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 17.5909, 31.8769, 16.0522

Background



This preview shows how black text looks on a background with the XYZ color 17.5909, 31.8769, 16.0522.



This preview shows how white text looks on a background with the XYZ color 17.5909, 31.8769,

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

17.5909, 31.8769, 16.0522

Protanopia

28.8443, 31.3438, 13.3338

Deuteranopia

31.8151, 31.1552, 16.9071



Tritanopia

24.1212, 31.7260, 48.0324

Trichromacy



Original Color

17.5909, 31.8769, 16.0522



Protanomaly

20.4919, 29.2752, 14.0218



Deuteranomaly

21.3431, 28.3908, 16.1595



Tritanomaly

20.7544, 31.4116, 33.4029

Monochromacy



Original Color

17.5909, 31.8769, 16.0522



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 17.5909, 31.8769, 16.0522 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 95) }
```

Border

The CSS property to change the border of an element to XYZ 17.5909, 31.8769, 16.0522 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, 95) }
```


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

```
.border{ border-color:rgb(0, 176, 95) }
```

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, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 176, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5909, 31.8769, 16.0522 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, 95) }
```

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

```
.background{ background-color: rgb(0, 176,  
95) }
```

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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