

Converting Colors

XYZ(17.6513, 31.7347, 20.0738)

Have a look what the booklet for
XYZ(17.6513, 31.7347, 20.0738)
contains.

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Color

**XYZ(18.3398, 32.1765,
19.9959)**

Conversions

Conversions Part 1

Format	Color
Hex	00B06E
RGB	0, 176, 110
RGB Percent	0%, 69%, 43%
CMY	1.0000, 0.3098, 0.5686
CMYK	1.00, 0.00, 0.38, 0.31
HSL	157°, 100%, 35%
HSV	157°, 100%, 69%
XYZ	18.3398, 32.1765, 19.9959
YIQ	115.8520, -83.7100, -57.8380

Conversions

Conversions Part 2

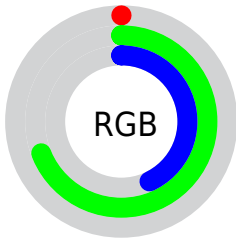
Format	Color
RYB	0, 108, 176
Decimal	45166
CIELab	63.49, -53.70, 23.37
CIELCh	63, 58.560, 156.482
Yxy	32.1765, 0.2601, 0.4563
Android (android.graphics.Color)	4278235246 (0xFF00B06E)
YUV	115.8520, -2.8850, -101.6022
Hunter-Lab	56.7243, -41.5559, 18.8067

Details

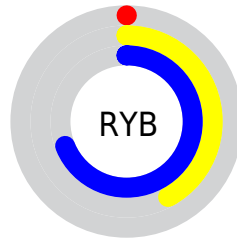
The XYZ color **18.3398, 32.1765, 19.9959** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.8890, 9.6241, 6.0180**, and the grayscale version is **16.5833, 17.4470, 18.9997**.

A 20% lighter version of the original color is **40.1747, 63.2136, 44.2664**, and **7.8290, 14.2669, 6.8986** is the 20% darker color. If you saturate the color by 10%, you get **18.3403, 32.1776, 19.9956**, and if you desaturate by 10%, it is **18.9557, 32.4518, 21.9720**.

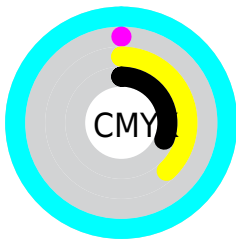
Distribution



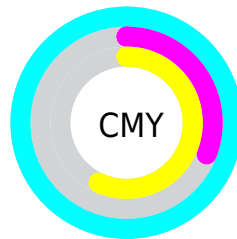
- Red (0%)
- Green (69%)
- Blue (43%)



- Red (0%)
- Yellow (42%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3398, 32.1765, 19.9959 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 18.3398, 32.1765, 19.9959 by changing the saturation by 10% instead.


 18.3398, 32.1765,
19.9959


 18.3398, 32.1765,
19.9959


235.7881,
311.9225, 264.4964


 11.2954, 21.4963,
12.2080

 40.1410, 63.0877,
44.2692


 6.3346, 13.4873,
6.7613


 55.6286, 84.0875,
61.5917


 3.0922, 7.7650,
3.2371


 74.6612, 109.2960,
82.9294

 1.2027, 3.9449,
1.2169

 97.6043, 139.0976,
108.7010

 0.1085, 1.6428,
0.0000

 124.8232,
173.8766, 139.3250

 0.0000, 0.3862,
0.0000

 156.6832,

 0.0000, 0.0000,

214.0175, 175.2198

0.0000

193.5497,
259.9047, 216.8041

■ 18.3398, 32.1765,
19.9959

■ 18.3398, 32.1765,
19.9959

■ 18.3403, 32.1776,
19.9956

■ 18.9557, 32.4518,
21.9720

■ 19.8141, 32.8480,
24.1015

■ 21.0003, 33.4101,
26.3919

■ 22.5541, 34.1584,
28.8478

■ 24.5097, 35.1104,
31.4735

■ 26.8969, 36.2816,
34.2730

■ 29.7428, 37.6857,
37.2501

■ 33.0719, 39.3355,
40.4085

■ 36.9074, 41.2427,
43.7518

Harmonies

Analogous

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



22.1746, 32.1765, 9.9103



18.3398, 32.1765, 19.9959



17.4980, 32.1765, 40.3532

Triad

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



18.3398, 32.1765, 19.9959



32.3874, 32.1765, 101.2837



45.0033, 32.1765, 14.5419

Complementary

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



18.3398, 32.1765, 19.9959



18.8890, 9.6241, 6.0180

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.



48.9596, 32.1765, 30.2054



18.3398, 32.1765, 19.9959



40.8860, 32.1765, 84.9708

Square

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



18.3398, 32.1765, 19.9959



24.7425, 32.1765, 94.4553



47.3326, 32.1765, 56.1847



37.2767, 32.1765, 7.8822

Rectangle

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



18.3398, 32.1765, 19.9959



18.5847, 32.1765, 59.1189



47.3326, 32.1765, 56.1847



46.8754, 32.1765, 18.5820

Sweetspot

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



18.3406, 32.1778, 19.9966



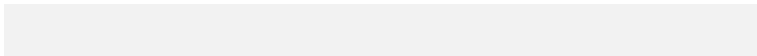
53.6461, 68.2008, 67.2622



17.8733, 32.2620, 5.2854



11.1479, 14.5440, 14.0889



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.



18.3406, 32.1778, 19.9966



33.1486, 58.3120, 35.6670



19.6367, 26.7344, 45.2012



8.6048, 9.5764, 10.1785



13.4852, 23.6200, 14.8236



0.4515, 0.7541, 0.6095

Inverse Universe

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



18.8890, 9.6241, 6.0180



34.1553, 17.4134, 10.3792



18.1651, 9.7501, 0.9248



8.6238, 8.5562, 9.5173



13.8849, 7.0715, 4.5537



0.4657, 0.2340, 0.2952

Previews

White Background



This preview shows how the XYZ color 18.3398, 32.1765, 19.9959 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 18.3398, 32.1765, 19.9959 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 18.3398, 32.1765, 19.9959

Background



This preview shows how black text looks on a background with the XYZ color 18.3398, 32.1765, 19.9959.



This preview shows how white text looks on a background with the XYZ color 18.3398, 32.1765,

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

18.3398, 32.1765, 19.9959

Protanopia

29.4174, 31.8096, 16.6460

Deuteranopia

32.0802, 31.4258, 21.2046



Tritanopia

24.2091, 32.0304, 48.6226

Trichromacy



Original Color

18.3398, 32.1765, 19.9959



Protanomaly

21.1874, 29.5534, 17.6844



Deuteranomaly

22.0337, 28.9063, 20.3378



Tritanomaly

21.1662, 31.5671, 35.9878

Monochromacy



Original Color

18.3398, 32.1765, 19.9959



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.9498, 20.8477, 19.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3398, 32.1765, 19.9959 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 110) }
```

Border

The CSS property to change the border of an element to XYZ 18.3398, 32.1765, 19.9959 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, 110) }
```


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

```
.border{ border-color:rgb(0, 176, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3398, 32.1765, 19.9959 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, 110) }
```

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

```
.background{ background-color: rgb(0, 176,  
110) }
```

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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