

Converting Colors

XYZ(18.7532, 31.8598, 17.7315)

Have a look what the booklet for
XYZ(18.7532, 31.8598, 17.7315)
contains.

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Color

**XYZ(18.7532, 31.8598,
17.7315)**

Conversions

Conversions Part 1

Format	Color
Hex	30AE66
RGB	48, 174, 102
RGB Percent	19%, 68%, 40%
CMY	0.8118, 0.3176, 0.6000
CMYK	0.72, 0.00, 0.41, 0.32
HSL	146°, 57%, 44%
HSV	146°, 72%, 68%
XYZ	18.7532, 31.8598, 17.7315
YIQ	128.1180, -51.9840, -49.1040

Conversions

Conversions Part 2

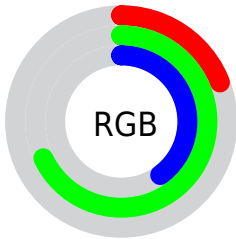
Format	Color
RYB	48, 136, 174
Decimal	3190374
CIELab	63.23, -50.41, 27.38
CIELCh	63, 57.369, 151.492
Yxy	31.8598, 0.2744, 0.4662
Android (android.graphics.Color)	4281380454 (0xFF30AE66)
YUV	128.1180, -12.8762, -70.2635
Hunter-Lab	56.4445, -39.4727, 20.8857

Details

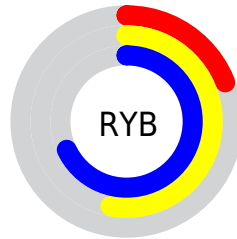
The XYZ color **18.7532, 31.8598, 17.7315** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.9036, 12.4692, 19.0224**, and the grayscale version is **20.6156, 21.6892, 23.6196**.

A 20% lighter version of the original color is **40.6851, 62.3062, 40.4538**, and **7.3823, 13.6993, 5.7452** is the 20% darker color. If you saturate the color by 10%, you get **17.6241, 31.3322, 15.2575**, and if you desaturate by 10%, it is **20.2649, 32.5795, 20.5336**.

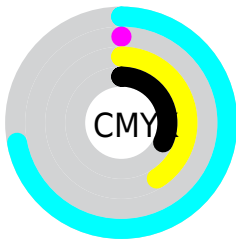
Distribution



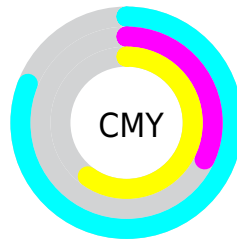
- Red (19%)
- Green (68%)
- Blue (40%)



- Red (19%)
- Yellow (53%)
- Blue (68%)



- Cyan (72%)
- Magenta (0%)
- Yellow (41%)
- Black (32%)



- Cyan (81%)
- Magenta (32%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7532, 31.8598, 17.7315 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 18.7532, 31.8598, 17.7315 by changing the saturation by 10% instead.

■ 18.7532, 31.8598,
17.7315

■ 18.7532, 31.8598,
17.7315

238.0472,
310.4801, 251.5383

■ 11.5950, 21.2544,
10.5899

■ 40.8368, 62.5912,
40.3870

■ 6.5388, 13.3101,
5.6811

■ 56.4928, 83.4861,
56.7381

■ 3.2191, 7.6424,
2.5865

■ 75.7123, 108.5796,
76.9960

■ 1.2707, 3.8670,
0.8855

■ 98.8604, 138.2561,
101.5794

■ 0.1611, 1.5995,
0.0000

■ 126.3027,
172.9000, 130.9068

■ 0.0000, 0.3572,
0.0000

158.4043,

■ 0.0000, 0.0000,

212.8957, 165.3967

0.0000

195.5307,
258.6276, 205.4677

■ 18.7532, 31.8598,
17.7315

■ 18.7532, 31.8598,
17.7315

■ 17.6241, 31.3322,
15.2575

■ 20.2649, 32.5795,
20.5336

■ 16.8330, 30.9714,
13.0966

■ 22.1924, 33.5057,
23.6736

■ 16.3921, 30.7755,
11.6565

■ 24.5679, 34.6555,
27.1635

■ 27.4195, 36.0433,
31.0142

■ 30.7731, 37.6822,
35.2359

■ 34.6525, 39.5843,
39.8384

■ 39.0801, 41.7608,
44.8312

■ 44.0767, 44.2225,
50.2233

■ 49.6623, 46.9794,
56.0235

Harmonies

Analogous

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



22.9887, 31.8598, 9.1741



18.7532, 31.8598, 17.7315



17.4443, 31.8598, 35.8407

Triad

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



18.7532, 31.8598, 17.7315



30.6810, 31.8598, 99.2933



45.2484, 31.8598, 16.5007

Complementary

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



18.7532, 31.8598, 17.7315



21.9036, 12.4692, 19.0224

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.



48.2434, 31.8598, 33.5640



18.7532, 31.8598, 17.7315



38.9742, 31.8598, 86.8999

Square

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



18.7532, 31.8598, 17.7315



23.5663, 31.8598, 89.0164



45.7699, 31.8598, 60.0111



38.1653, 31.8598, 8.7130

Rectangle

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



18.7532, 31.8598, 17.7315



18.1856, 31.8598, 53.2936



45.7699, 31.8598, 60.0111



46.8172, 31.8598, 21.0142

Sweetspot

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



18.7540, 31.8611, 17.7322



55.8331, 68.3570, 63.9314



23.6259, 34.5881, 8.2274



12.0314, 15.0081, 13.7442



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.



18.7540, 31.8611, 17.7322



31.0207, 56.3971, 25.2072



23.0117, 33.5642, 40.1528



8.0416, 8.9942, 9.2442



11.9174, 22.3322, 8.6046



0.3593, 0.6324, 0.3856

Inverse Universe

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



21.9036, 12.4692, 19.0224



37.0219, 19.1893, 27.4740



19.2898, 11.4236, 5.2585



8.1898, 8.0892, 9.3102



14.3392, 7.1982, 9.4317



0.4256, 0.2109, 0.4029

Previews

White Background



This preview shows how the XYZ color 18.7532, 31.8598, 17.7315 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 18.7532, 31.8598, 17.7315 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 18.7532, 31.8598, 17.7315

Background



This preview shows how black text looks on a background with the XYZ color 18.7532, 31.8598, 17.7315.



This preview shows how white text looks on a background with the XYZ color 18.7532, 31.8598,

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

18.7532, 31.8598, 17.7315

Protanopia

28.9299, 31.3538, 14.8830

Deuteranopia

31.7081, 31.0582, 18.7916



Tritanopia

24.5516, 31.7024, 46.9447

Trichromacy



Original Color

18.7532, 31.8598, 17.7315



Protanomaly

22.8505, 30.1971, 15.6906



Deuteranomaly

24.0057, 29.7231, 18.1076



Tritanomaly

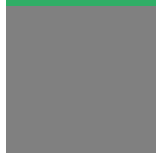
21.7544, 31.3655, 33.7617

Monochromacy



Original Color

18.7532, 31.8598, 17.7315



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.6008, 24.2354, 21.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7532, 31.8598, 17.7315 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(48, 174, 102)` looks like.

```
.text, #text, p{  
  color:rgb(48, 174, 102)  
}
```

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(48, 174, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 174, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.7532, 31.8598, 17.7315 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(48, 174, 102) }
```


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

```
.border{ border-color:rgb(48, 174, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 174, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 174, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 174, 102);  
box-shadow:4px 4px 4px 4px rgb(48, 174,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7532, 31.8598, 17.7315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 174, 102) }
```

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

```
.background{ background-color: rgb(48, 174,  
102) }
```

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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