

Converting Colors

XYZ(18.3551, 32.0155, 20.5918)

Have a look what the booklet for
XYZ(18.3551, 32.0155, 20.5918)
contains.

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Color

**XYZ(18.2546, 31.8298,
20.5109)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF70
RGB	0, 175, 112
RGB Percent	0%, 69%, 44%
CMY	1.0000, 0.3137, 0.5608
CMYK	1.00, 0.00, 0.36, 0.31
HSL	158°, 100%, 34%
HSV	158°, 100%, 69%
XYZ	18.2546, 31.8298, 20.5109
YIQ	115.4930, -84.0770, -56.6930

Conversions

Conversions Part 2

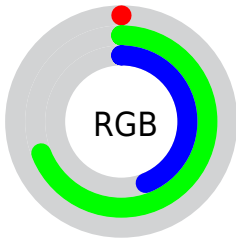
Format	Color
RYB	0, 107, 175
Decimal	44912
CIELab	63.20, -52.91, 21.91
CIELCh	63, 57.264, 157.509
Yxy	31.8298, 0.2586, 0.4509
Android (android.graphics.Color)	4278234992 (0xFF00AF70)
YUV	115.4930, -1.7220, -101.2874
Hunter-Lab	56.4179, -40.9758, 17.9375

Details

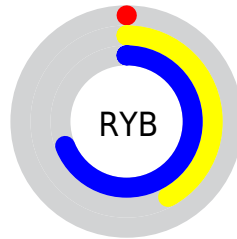
The XYZ color **18.2546, 31.8298, 20.5109** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.5775, 9.4736, 5.5539**, and the grayscale version is **16.4704, 17.3282, 18.8704**.

A 20% lighter version of the original color is **40.0717, 62.7207, 45.1163**, and **7.7628, 14.0449, 7.1523** is the 20% darker color. If you saturate the color by 10%, you get **18.2551, 31.8309, 20.5104**, and if you desaturate by 10%, it is **18.8590, 32.1002, 22.4359**.

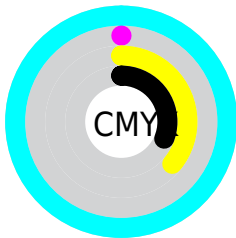
Distribution



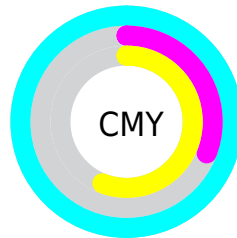
- Red (0%)
- Green (69%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2546, 31.8298, 20.5109 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 18.2546, 31.8298, 20.5109 by changing the saturation by 10% instead.

■ 18.2546, 31.8298,
20.5109

■ 18.2546, 31.8298,
20.5109

■ 235.3201,
310.3432, 267.3628

■ 11.2337, 21.2315,
12.5792

■ 39.9974, 62.5442,
45.1423

■ 6.2927, 13.2933,
7.0121

■ 55.4500, 83.4291,
62.6790

■ 3.0662, 7.6309,
3.3911

■ 74.4439, 108.5116,
84.2546

■ 1.1889, 3.8597,
1.2976

■ 97.3444, 138.1762,
110.2874

■ 0.0976, 1.5954,
0.0599

■ 124.5170,
172.8073, 141.1961

■ 0.0000, 0.3545,
0.0000

■ 156.3269,

■ 0.0000, 0.0000,

212.7892, 177.3992

0.0000

193.1395,
258.5064, 219.3153

■ 18.2546, 31.8298,
20.5109

■ 18.2546, 31.8298,
20.5109

■ 18.2551, 31.8309,
20.5104

■ 18.8590, 32.1002,
22.4359

■ 19.7004, 32.4892,
24.5020

■ 20.8634, 33.0409,
26.7164

■ 22.3873, 33.7757,
29.0831

■ 24.3054, 34.7106,
31.6062

■ 26.6472, 35.8609,
34.2893

■ 29.4392, 37.2402,
37.1358

■ 32.7059, 38.8609,
40.1491

■ 36.4697, 40.7346,
43.3323

Harmonies

Analogous

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



21.8981, 31.8298, 10.3004



18.2546, 31.8298, 20.5109



17.5308, 31.8298, 40.6729

Triad

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



18.2546, 31.8298, 20.5109



32.2867, 31.8298, 98.3456



44.0080, 31.8298, 14.3113

Complementary

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



18.2546, 31.8298, 20.5109



18.5775, 9.4736, 5.5539

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.



47.9959, 31.8298, 29.2661



18.2546, 31.8298, 20.5109



40.5019, 31.8298, 82.0245

Square

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



18.2546, 31.8298, 20.5109



24.7952, 31.8298, 92.5651



46.6119, 31.8298, 54.1547



36.4587, 31.8298, 7.9655

Rectangle

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



18.2546, 31.8298, 20.5109



18.6598, 31.8298, 58.9481



46.6119, 31.8298, 54.1547



45.8645, 31.8298, 18.1676

Sweetspot

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



18.2554, 31.8311, 20.5116



52.4393, 66.5530, 66.2314



17.4564, 31.7570, 5.2100



11.1777, 14.5560, 14.2460



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.



18.2554, 31.8311, 20.5116



32.5850, 56.9626, 36.1637



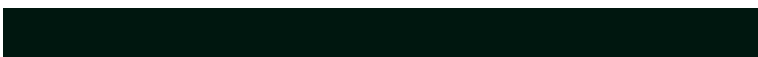
18.9132, 25.4451, 44.4735



8.1121, 9.0224, 9.6152



13.1027, 22.8064, 14.8466



0.3894, 0.6444, 0.5442

Inverse Universe

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



18.5775, 9.4736, 5.5539



33.1747, 16.9275, 9.4432



17.9932, 9.7409, 0.9322



8.1199, 8.0612, 8.9424



13.3304, 6.7947, 4.1194



0.3975, 0.1997, 0.2549

Previews

White Background



This preview shows how the XYZ color 18.2546, 31.8298, 20.5109 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 18.2546, 31.8298, 20.5109 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 18.2546, 31.8298, 20.5109

Background



This preview shows how black text looks on a background with the XYZ color 18.2546, 31.8298, 20.5109.



This preview shows how white text looks on a background with the XYZ color 18.2546, 31.8298,

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

18.2546, 31.8298, 20.5109

Protanopia

29.1436, 31.4151, 17.0981

Deuteranopia

31.9688, 31.3547, 21.8199



Tritanopia

24.0435, 31.9569, 48.0811

Trichromacy



Original Color

18.2546, 31.8298, 20.5109



Protanomaly

20.9980, 29.1855, 18.1623



Deuteranomaly

22.0194, 28.8856, 20.9379



Tritanomaly

21.1278, 31.5473, 35.9860

Monochromacy



Original Color

18.2546, 31.8298, 20.5109



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.7306, 20.5227, 19.1045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2546, 31.8298, 20.5109 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, 175, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 112)  
}
```

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, 175, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.2546, 31.8298, 20.5109 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, 175, 112) }
```


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

```
.border{ border-color:rgb(0, 175, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2546, 31.8298, 20.5109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 112) }
```

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

```
.background{ background-color: rgb(0, 175,  
112) }
```

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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