

Converting Colors

XYZ(16.5951, 30.0136, 18.9544)

Have a look what the booklet for
XYZ(16.5951, 30.0136, 18.9544)
contains.

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Color

**XYZ(17.4064, 30.5666,
18.8924)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC6B
RGB	0, 172, 107
RGB Percent	0%, 67%, 42%
CMY	0.9999, 0.3255, 0.5804
CMYK	1.00, 0.00, 0.38, 0.33
HSL	157°, 100%, 34%
HSV	157°, 100%, 67%
XYZ	17.4064, 30.5666, 18.8924
YIQ	113.1620, -81.6470, -56.6790

Conversions

Conversions Part 2

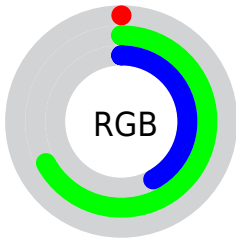
Format	Color
RYB	0, 106, 172
Decimal	44139
CIELab	62.14, -52.87, 23.17
CIELCh	62, 57.726, 156.332
Yxy	30.5666, 0.2603, 0.4571
Android (android.graphics.Color)	4278234219 (0xFF00AC6B)
YUV	113.1620, -3.0379, -99.2431
Hunter-Lab	55.2871, -40.5540, 18.4407

Details

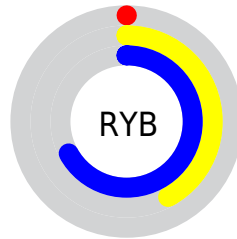
The XYZ color **17.4064, 30.5666, 18.8924** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.9687, 9.1531, 5.8232**, and the grayscale version is **15.7719, 16.5933, 18.0701**.

A 20% lighter version of the original color is **38.6910, 60.8171, 42.5005**, and **7.2679, 13.2726, 6.3165** is the 20% darker color. If you saturate the color by 10%, you get **17.4067, 30.5676, 18.8915**, and if you desaturate by 10%, it is **17.9971, 30.8309, 20.7739**.

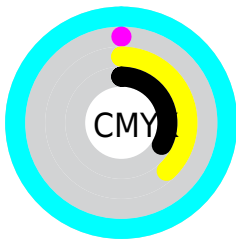
Distribution



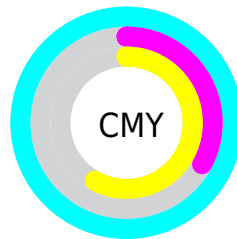
- Red (0%)
- Green (67%)
- Blue (42%)



- Red (0%)
- Yellow (42%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4064, 30.5666, 18.8924 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 17.4064, 30.5666, 18.8924 by changing the saturation by 10% instead.

■ 17.4064, 30.5666,
18.8924

■ 17.4064, 30.5666,
18.8924

230.6144,
304.5367, 258.2570

■ 10.6218, 20.2691,
11.4165

■ 38.5613, 60.5571,
42.3865

■ 5.8785, 12.5908,
6.2301

■ 53.6622, 81.0188,
59.2418

■ 2.8113, 7.1474,
2.9144

■ 72.2660, 105.6374,
80.0606

■ 1.0548, 3.5544,
1.0511

■ 94.7379, 134.7972,
105.2615

■ 0.0000, 1.4276,
0.0000

■ 121.4434,
168.8826, 135.2631

■ 0.0000, 0.2369,
0.0000

■ 152.7477,

■ 0.0000, 0.0000,

208.2781, 170.4838

0.0000

189.0163,
253.3679, 211.3423

■ 17.4064, 30.5666,
18.8924

■ 17.4064, 30.5666,
18.8924

■ 17.4067, 30.5676,
18.8915

■ 17.9971, 30.8309,
20.7739

■ 18.8169, 31.2095,
22.8025

■ 19.9480, 31.7455,
24.9856

■ 21.4282, 32.4582,
27.3276

■ 23.2895, 33.3642,
29.8325

■ 25.5602, 34.4780,
32.5042

■ 28.2658, 35.8127,
35.3465

■ 31.4297, 37.3803,
38.3627

■ 35.0735, 39.1918,
41.5563

Harmonies

Analogous

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



21.0707, 30.5666, 9.3449



17.4064, 30.5666, 18.8924



16.5912, 30.5666, 38.2265

Triad

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



17.4064, 30.5666, 18.8924



30.7314, 30.5666, 96.4804



42.8247, 30.5666, 13.8254

Complementary

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



17.4064, 30.5666, 18.8924



17.9687, 9.1531, 5.8232

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.



46.5722, 30.5666, 28.7831



17.4064, 30.5666, 18.8924



38.8319, 30.5666, 81.0117

Square

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



17.4064, 30.5666, 18.8924



23.4591, 30.5666, 89.8527



44.9941, 30.5666, 53.5794



35.4714, 30.5666, 7.4643

Rectangle

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



17.4064, 30.5666, 18.8924



17.6158, 30.5666, 56.0934



44.9941, 30.5666, 53.5794



44.6025, 30.5666, 17.6835

Sweetspot

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



17.4072, 30.5678, 18.8931



50.9873, 64.8243, 63.8317



16.9961, 30.6625, 5.0231



10.6291, 13.8647, 13.4091



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.4072, 30.5678, 18.8931



31.4667, 55.4080, 33.6891



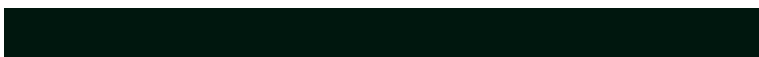
18.6650, 25.4150, 42.9530



8.1060, 9.0200, 9.5833



12.9803, 22.7574, 14.2017



0.3866, 0.6433, 0.5292

Inverse Universe

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



17.9687, 9.1531, 5.8232



32.4967, 16.5641, 10.0392



17.2655, 9.2742, 0.8805



8.1258, 8.0636, 8.9732



13.3957, 6.8208, 4.4633



0.3997, 0.2006, 0.2667

Previews

White Background



This preview shows how the XYZ color 17.4064, 30.5666, 18.8924 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 17.4064, 30.5666, 18.8924 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 17.4064, 30.5666, 18.8924

Background



This preview shows how black text looks on a background with the XYZ color 17.4064, 30.5666, 18.8924.



This preview shows how white text looks on a background with the XYZ color 17.4064, 30.5666,

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

17.4064, 30.5666, 18.8924

Protanopia

27.8523, 30.0581, 15.8891

Deuteranopia

30.5389, 29.9738, 20.0955



Tritanopia

23.1357, 30.7173, 46.3046

Trichromacy



Original Color

17.4064, 30.5666, 18.8924



Protanomaly

19.9995, 27.9371, 16.6502



Deuteranomaly

20.9804, 27.6384, 19.2679



Tritanomaly

20.3229, 30.3358, 34.4900

Monochromacy



Original Color

17.4064, 30.5666, 18.8924



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.0668, 19.5756, 18.0760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4064, 30.5666, 18.8924 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, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 107)  
}
```

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, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 107) }
```

Border

The CSS property to change the border of an element to XYZ 17.4064, 30.5666, 18.8924 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, 172, 107) }
```


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

```
.border{ border-color:rgb(0, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4064, 30.5666, 18.8924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 107) }
```

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

```
.background{ background-color: rgb(0, 172,  
107) }
```

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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