

Converting Colors

XYZ(15.6987, 29.9169, 16.7367)

Have a look what the booklet for
XYZ(15.6987, 29.9169, 16.7367)
contains.

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Color

**XYZ(17.1957, 30.7880,
16.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	00AD63
RGB	0, 173, 99
RGB Percent	0%, 68%, 39%
CMY	1.0000, 0.3216, 0.6118
CMYK	1.00, 0.00, 0.43, 0.32
HSL	154°, 100%, 34%
HSV	154°, 100%, 68%
XYZ	17.1957, 30.7880, 16.8408
YIQ	112.8370, -79.3540, -59.6900

Conversions

Conversions Part 2

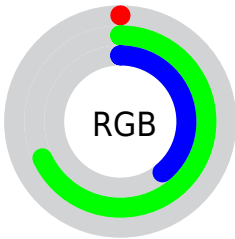
Format	Color
RYB	0, 110, 173
Decimal	44387
CIELab	62.33, -54.83, 27.69
CIELCh	62, 61.428, 153.205
Yxy	30.7880, 0.2653, 0.4749
Android (android.graphics.Color)	4278234467 (0xFF00AD63)
YUV	112.8370, -6.8216, -98.9580
Hunter-Lab	55.4869, -41.7840, 20.8458

Details

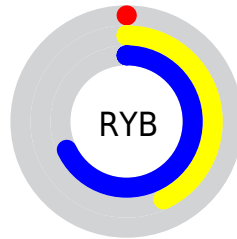
The XYZ color **17.1957, 30.7880, 16.8408** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.4707, 9.3793, 7.3170**, and the grayscale version is **15.6853, 16.5021, 17.9708**.

A 20% lighter version of the original color is **38.2964, 61.1033, 39.0538**, and **7.1944, 13.4327, 5.3455** is the 20% darker color. If you saturate the color by 10%, you get **17.1962, 30.7891, 16.8406**, and if you desaturate by 10%, it is **17.8034, 31.0593, 18.8024**.

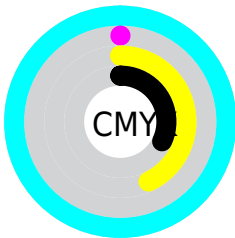
Distribution



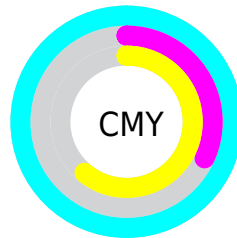
- Red (0%)
- Green (68%)
- Blue (39%)



- Red (0%)
- Yellow (43%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1957, 30.7880, 16.8408 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 17.1957, 30.7880, 16.8408 by changing the saturation by 10% instead.

■ 17.1957, 30.7880,
16.8408

■ 17.1957, 30.7880,
16.8408

■ 229.4319,
305.5604, 246.2661

■ 10.4703, 20.4375,
9.9603

■ 38.2029, 60.9061,
38.8387

■ 5.7765, 12.7134,
5.2674

■ 53.2153, 81.4425,
54.7933

■ 2.7490, 7.2315,
2.3435

■ 71.7209, 106.1430,
74.6095

■ 1.0225, 3.6073,
0.7554

■ 94.0848, 135.3920,
98.7061

■ 0.0000, 1.4564,
0.0000

■ 120.6726,
169.5738, 127.5015

■ 0.0000, 0.2578,
0.0000

■ 151.8494,

■ 0.0000, 0.0000,

209.0729, 161.4143

0.0000

187.9808,
254.2736, 200.8630

■ 17.1957, 30.7880,
16.8408

■ 17.1957, 30.7880,
16.8408

■ 17.1962, 30.7891,
16.8406

■ 17.8034, 31.0593,
18.8024

■ 18.6501, 31.4492,
20.9482

■ 19.8193, 32.0014,
23.2870

■ 21.3494, 32.7356,
25.8245

■ 23.2732, 33.6687,
28.5663

■ 25.6197, 34.8154,
31.5174

■ 28.4149, 36.1892,
34.6829

■ 31.6827, 37.8024,
38.0674

■ 35.4454, 39.6661,
41.6754

Harmonies

Analogous

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



21.3585, 30.7880, 7.9668



17.1957, 30.7880, 16.8408



16.0371, 30.7880, 36.1460

Triad

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



17.1957, 30.7880, 16.8408



30.1652, 30.7880, 103.0776



44.7654, 30.7880, 14.1937

Complementary

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



17.1957, 30.7880, 16.8408



18.4707, 9.3793, 7.3170

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.



48.2831, 30.7880, 31.0299



17.1957, 30.7880, 16.8408



38.9107, 30.7880, 88.2128

Square

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



17.1957, 30.7880, 16.8408



22.6371, 30.7880, 93.1778



45.9615, 30.7880, 58.6618



37.0702, 30.7880, 7.0253

Rectangle

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



17.1957, 30.7880, 16.8408



16.9007, 30.7880, 54.9705



45.9615, 30.7880, 58.6618



46.5352, 30.7880, 18.5360

Sweetspot

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



17.1965, 30.7892, 16.8415



50.6022, 64.6702, 61.8035



17.8437, 31.3831, 5.1173



10.5365, 13.8277, 12.9215



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.



17.1965, 30.7892, 16.8415



30.6866, 55.0959, 29.5811



20.3704, 28.6716, 43.9972



8.0893, 9.0133, 9.4952



12.6618, 22.6300, 12.5245



0.3789, 0.6402, 0.4889

Inverse Universe

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



18.4707, 9.3793, 7.3170



32.9755, 16.7556, 12.5601



17.3603, 9.1366, 0.8488



8.1421, 8.0701, 9.0592



13.5963, 6.9010, 5.5193



0.4060, 0.2031, 0.2997

Previews

White Background



This preview shows how the XYZ color 17.1957, 30.7880, 16.8408 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 17.1957, 30.7880, 16.8408 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 17.1957, 30.7880, 16.8408

Background



This preview shows how black text looks on a background with the XYZ color 17.1957, 30.7880, 16.8408.



This preview shows how white text looks on a background with the XYZ color 17.1957, 30.7880,

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

17.1957, 30.7880, 16.8408

Protanopia

28.0617, 30.4434, 14.0700

Deuteranopia

30.7841, 30.1505, 17.8328



Tritanopia

23.3256, 30.8152, 46.3135

Trichromacy



Original Color

17.1957, 30.7880, 16.8408



Protanomaly

19.9116, 28.1871, 14.7471



Deuteranomaly

20.8138, 27.6012, 17.0625



Tritanomaly

20.1580, 30.2788, 33.2157

Monochromacy



Original Color

17.1957, 30.7880, 16.8408



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.0432, 19.7884, 17.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1957, 30.7880, 16.8408 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, 173, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 99)  
}
```

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, 173, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 99) }
```

Border

The CSS property to change the border of an element to XYZ 17.1957, 30.7880, 16.8408 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, 173, 99) }
```


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

```
.border{ border-color:rgb(0, 173, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 173, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1957, 30.7880, 16.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 99) }
```

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

```
.background{ background-color: rgb(0, 173,  
99) }
```

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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