

Converting Colors

XYZ(17.4814, 30.2479, 20.3625)

Have a look what the booklet for
XYZ(17.4814, 30.2479, 20.3625)
contains.

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Color

**XYZ(17.4875, 30.2957,
20.2552)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB70
RGB	0, 171, 112
RGB Percent	0%, 67%, 44%
CMY	1.0000, 0.3294, 0.5608
CMYK	1.00, 0.00, 0.35, 0.33
HSL	159°, 100%, 34%
HSV	159°, 100%, 67%
XYZ	17.4875, 30.2957, 20.2552
YIQ	113.1450, -82.9770, -54.6010

Conversions

Conversions Part 2

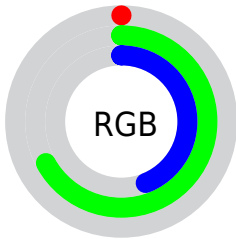
Format	Color
RYB	0, 103, 171
Decimal	43888
CIELab	61.91, -51.43, 20.15
CIELCh	62, 55.240, 158.602
Yxy	30.2957, 0.2570, 0.4453
Android (android.graphics.Color)	4278233968 (0xFF00AB70)
YUV	113.1450, -0.5645, -99.2282
Hunter-Lab	55.0415, -39.6106, 16.7104

Details

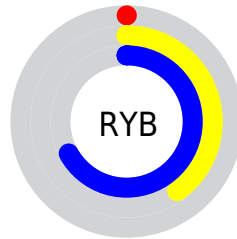
The XYZ color **17.4875, 30.2957, 20.2552** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.5849, 8.9743, 4.9441**, and the grayscale version is **15.7593, 16.5801, 18.0557**.

A 20% lighter version of the original color is **38.5836, 59.8938, 44.6491**, and **7.2867, 13.0927, 6.9936** is the 20% darker color. If you saturate the color by 10%, you get **17.4881, 30.2968, 20.2552**, and if you desaturate by 10%, it is **18.0608, 30.5528, 22.0544**.

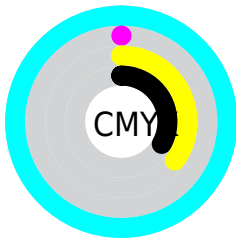
Distribution



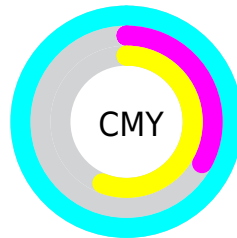
- Red (0%)
- Green (67%)
- Blue (44%)



- Red (0%)
- Yellow (40%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4875, 30.2957, 20.2552 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 17.4875, 30.2957, 20.2552 by changing the saturation by 10% instead.

■ 17.4875, 30.2957,
20.2552

■ 17.4875, 30.2957,
20.2552

231.0681,
303.2804, 265.9431

■ 10.6801, 20.0631,
12.3948

■ 38.6990, 60.1295,
44.7092

■ 5.9179, 12.4410,
6.8873

■ 53.8339, 80.4995,
62.1399

■ 2.8354, 7.0447,
3.3144

■ 72.4754, 105.0175,
83.5977

■ 1.0673, 3.4901,
1.2573

■ 94.9887, 134.0678,
109.5012

■ 0.0000, 1.3926,
0.0264

■ 121.7393,
168.0349, 140.2690

■ 0.0000, 0.2113,
0.0000

■ 153.0925,

■ 0.0000, 0.0000,

207.3030, 176.3195

0.0000

189.4136,
252.2567, 218.0714

■ 17.4875, 30.2957,
20.2552

■ 17.4875, 30.2957,
20.2552

■ 17.4881, 30.2968,
20.2552

■ 18.0608, 30.5528,
22.0544

■ 18.8556, 30.9208,
23.9779

■ 19.9536, 31.4425,
26.0320

■ 21.3917, 32.1369,
28.2205

■ 23.2014, 33.0202,
30.5469

■ 25.4104, 34.1067,
33.0142

■ 28.0438, 35.4092,
35.6255

■ 31.1245, 36.9395,
38.3837

■ 34.6737, 38.7085,
41.2914

Harmonies

Analogous

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



20.8082, 30.2957, 10.3089



17.4875, 30.2957, 20.2552



16.9062, 30.2957, 39.4558

Triad

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



17.4875, 30.2957, 20.2552



30.9732, 30.2957, 91.8051



41.3891, 30.2957, 13.5535

Complementary

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



17.4875, 30.2957, 20.2552



17.5849, 8.9743, 4.9441

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.



45.2545, 30.2957, 27.2667



17.4875, 30.2957, 20.2552



38.6019, 30.2957, 76.1078

Square

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



17.4875, 30.2957, 20.2552



23.9156, 30.2957, 87.2382



44.1555, 30.2957, 50.1741



34.2970, 30.2957, 7.7522

Rectangle

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



17.4875, 30.2957, 20.2552



18.0342, 30.2957, 56.5563



44.1555, 30.2957, 50.1741



43.1597, 30.2957, 17.0883

Sweetspot

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



17.4883, 30.2969, 20.2559



49.9512, 63.2789, 63.5446



16.4183, 30.0831, 4.9415



10.6915, 13.8897, 13.7380



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.



17.4883, 30.2969, 20.2559



31.2156, 54.2166, 35.7299



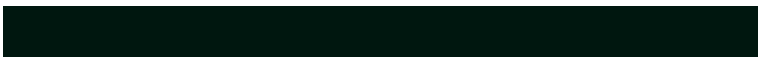
17.5306, 23.2995, 42.1029



8.1171, 9.0244, 9.6418



13.2084, 22.8486, 15.4030



0.3919, 0.6454, 0.5570

Inverse Universe

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



17.5849, 8.9743, 4.9441



31.4019, 16.0354, 8.3779



17.1571, 9.3819, 0.9068



8.1151, 8.0593, 8.9167



13.2785, 6.7739, 3.8461



0.3956, 0.1989, 0.2449

Previews

White Background



This preview shows how the XYZ color 17.4875, 30.2957, 20.2552 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 17.4875, 30.2957, 20.2552 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 17.4875, 30.2957, 20.2552

Background



This preview shows how black text looks on a background with the XYZ color 17.4875, 30.2957, 20.2552.



This preview shows how white text looks on a background with the XYZ color 17.4875, 30.2957,

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

17.4875, 30.2957, 20.2552

Protanopia

27.8437, 30.0313, 16.8995

Deuteranopia

30.3261, 29.8372, 21.3003



Tritanopia

22.7971, 30.2896, 45.7192

Trichromacy



Original Color

17.4875, 30.2957, 20.2552



Protanomaly

20.1380, 27.9793, 17.9748



Deuteranomaly

20.9740, 27.3584, 20.6983



Tritanomaly

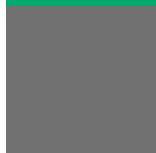
20.1853, 29.9844, 34.8607

Monochromacy



Original Color

17.4875, 30.2957, 20.2552



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.1782, 19.6202, 18.6626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4875, 30.2957, 20.2552 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, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.4875, 30.2957, 20.2552 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, 171, 112) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4875, 30.2957, 20.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 112) }
```

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

```
.background{ background-color: rgb(0, 171,  
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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