

Converting Colors

XYZ(11.3012, 26.0357, 21.1677)

Have a look what the booklet for
XYZ(11.3012, 26.0357, 21.1677)
contains.

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Color

**XYZ(17.0296, 28.9218,
21.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	00A775
RGB	0, 167, 117
RGB Percent	0%, 65%, 46%
CMY	0.9999, 0.3451, 0.5412
CMYK	1.00, 0.00, 0.30, 0.35
HSL	162°, 100%, 33%
HSV	162°, 100%, 65%
XYZ	17.0296, 28.9218, 21.5145
YIQ	111.3670, -83.4820, -50.9540

Conversions

Conversions Part 2

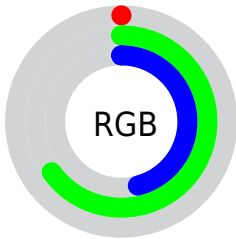
Format	Color
RYB	0, 98, 167
Decimal	42869
CIELab	60.71, -48.78, 15.77
CIELCh	61, 51.268, 162.081
Yxy	28.9218, 0.2524, 0.4287
Android (android.graphics.Color)	4278232949 (0xFF00A775)
YUV	111.3670, 2.7771, -97.6689
Hunter-Lab	53.7790, -37.5896, 13.9261

Details

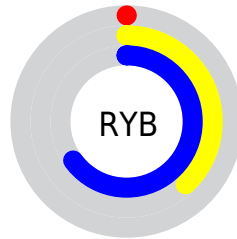
The XYZ color **17.0296, 28.9218, 21.5145** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.5131, 8.4465, 3.7793**, and the grayscale version is **15.2272, 16.0202, 17.4460**.

A 20% lighter version of the original color is **37.8635, 57.8641, 46.7094**, and **7.0915, 12.4643, 7.6623** is the 20% darker color. If you saturate the color by 10%, you get **17.0300, 28.9228, 21.5139**, and if you desaturate by 10%, it is **17.5583, 29.1602, 23.1161**.

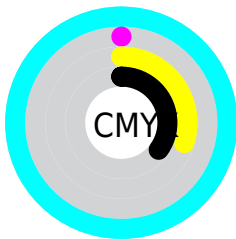
Distribution



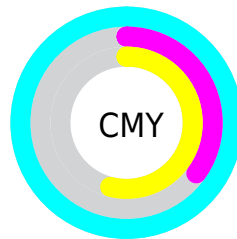
- Red (0%)
- Green (65%)
- Blue (46%)



- Red (0%)
- Yellow (38%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0296, 28.9218, 21.5145 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 17.0296, 28.9218, 21.5145 by changing the saturation by 10% instead.

■ 17.0296, 28.9218,
21.5145

■ 17.0296, 28.9218,
21.5145

228.4958,
296.8458, 272.8706

■ 10.3510, 19.0217,
13.3057

■ 37.9199, 57.9528,
46.8341

■ 5.6964, 11.6859,
7.5062

■ 52.8623, 77.8525,
64.7820

■ 2.7002, 6.5302,
3.6974

■ 71.2900, 101.8541,
86.8133

■ 0.9973, 3.1701,
1.4609

■ 93.5684, 130.3422,
113.3466

■ 0.0000, 1.2212,
0.1885

■ 120.0628,
163.7010, 144.8005

■ 0.0000, 0.0789,
0.0000

■ 151.1386,

■ 0.0000, 0.0000,

202.3149, 181.5934

0.0000

187.1612,
246.5684, 224.1439

■ 17.0296, 28.9218,
21.5145

■ 17.0296, 28.9218,
21.5145

■ 17.0300, 28.9228,
21.5139

■ 17.5583, 29.1602,
23.1161

■ 18.2907, 29.5010,
24.8098

■ 19.3053, 29.9855,
26.6012

■ 20.6369, 30.6315,
28.4931

■ 22.3149, 31.4541,
30.4879

■ 24.3654, 32.4668,
32.5882

■ 26.8119, 33.6817,
34.7961

■ 29.6759, 35.1098,
37.1136

■ 32.9772, 36.7613,
39.5429

Harmonies

Analogous

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



19.7796, 28.9218, 11.3813



17.0296, 28.9218, 21.5145



16.7859, 28.9218, 39.7940

Triad

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



17.0296, 28.9218, 21.5145



30.2533, 28.9218, 82.5871



38.1134, 28.9218, 12.7724

Complementary

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



17.0296, 28.9218, 21.5145



16.5131, 8.4465, 3.7793

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.



41.9841, 28.9218, 24.4314



17.0296, 28.9218, 21.5145



36.9799, 28.9218, 67.2388

Square

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



17.0296, 28.9218, 21.5145



23.7400, 28.9218, 80.7651



41.5387, 28.9218, 44.1546



31.6139, 28.9218, 7.9186

Rectangle

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



17.0296, 28.9218, 21.5145



18.0163, 28.9218, 55.2194



41.5387, 28.9218, 44.1546



39.8089, 28.9218, 15.7708

Sweetspot

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



17.0304, 28.9229, 21.5152



47.7561, 60.1899, 62.0923



15.1401, 28.3194, 4.6686



10.2733, 13.2638, 13.5320



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.0304, 28.9229, 21.5152



30.4036, 51.7590, 38.0290



15.4461, 19.7314, 39.5550



7.6504, 8.4932, 9.1452



13.0534, 22.1401, 16.5798



0.3385, 0.5470, 0.5137

Inverse Universe

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



16.5131, 8.4465, 3.7793



29.4923, 15.0939, 6.3450



16.4924, 9.3265, 0.9313



7.6201, 7.5779, 8.3168



12.6547, 6.4706, 2.9931



0.3302, 0.1663, 0.1901

Previews

White Background



This preview shows how the XYZ color 17.0296, 28.9218, 21.5145 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0296, 28.9218, 21.5145 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0296, 28.9218, 21.5145

Background



This preview shows how black text looks on a background with the XYZ color 17.0296, 28.9218, 21.5145.



This preview shows how white text looks on a background with the XYZ color 17.0296, 28.9218,

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

17.0296, 28.9218, 21.5145

Protanopia

26.4895, 28.3803, 17.9917

Deuteranopia

29.1017, 28.5111, 22.7083



Tritanopia

21.7445, 28.9995, 43.9866

Trichromacy



Original Color

17.0296, 28.9218, 21.5145



Protanomaly

19.4061, 26.5828, 19.1471



Deuteranomaly

20.4209, 26.3190, 22.0929



Tritanomaly

19.5745, 28.8694, 34.6777

Monochromacy



Original Color

17.0296, 28.9218, 21.5145



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.6955, 18.7644, 18.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0296, 28.9218, 21.5145 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, 167, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 117)  
}
```

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, 167, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.0296, 28.9218, 21.5145 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, 167, 117) }
```


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

```
.border{ border-color:rgb(0, 167, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0296, 28.9218, 21.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 117) }
```

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

```
.background{ background-color: rgb(0, 167,  
117) }
```

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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