

Converting Colors

XYZ(16.6708, 28.4136, 20.7494)

Have a look what the booklet for
XYZ(16.6708, 28.4136, 20.7494)
contains.

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Color

**XYZ(16.7307, 28.5102,
20.8409)**

Conversions

Conversions Part 1

Format	Color
Hex	00A673
RGB	0, 166, 115
RGB Percent	0%, 65%, 45%
CMY	1.0000, 0.3490, 0.5490
CMYK	1.00, 0.00, 0.31, 0.35
HSL	162°, 100%, 33%
HSV	162°, 100%, 65%
XYZ	16.7307, 28.5102, 20.8409
YIQ	110.5520, -82.5650, -51.0530

Conversions

Conversions Part 2

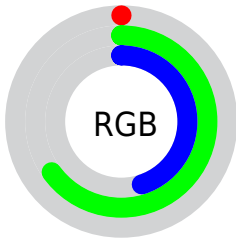
Format	Color
RYB	0, 98, 166
Decimal	42611
CIELab	60.35, -48.86, 16.37
CIELCh	60, 51.534, 161.477
Yxy	28.5102, 0.2532, 0.4314
Android (android.graphics.Color)	4278232691 (0xFF00A673)
YUV	110.5520, 2.1929, -96.9541
Hunter-Lab	53.3949, -37.5102, 14.2346

Details

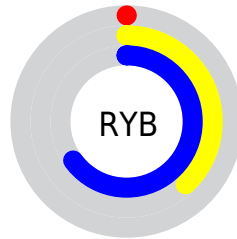
The XYZ color **16.7307, 28.5102, 20.8409** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.3244, 8.3467, 3.8841**, and the grayscale version is **14.9921, 15.7729, 17.1766**.

A 20% lighter version of the original color is **37.4107, 57.2567, 45.6391**, and **6.9182, 12.2155, 7.3034** is the 20% darker color. If you saturate the color by 10%, you get **16.7311, 28.5112, 20.8405**, and if you desaturate by 10%, it is **17.2574, 28.7476, 22.4411**.

Distribution



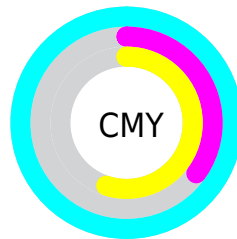
- Red (0%)
- Green (65%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7307, 28.5102, 20.8409 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 16.7307, 28.5102, 20.8409 by changing the saturation by 10% instead.

■ 16.7307, 28.5102,
20.8409

■ 16.7307, 28.5102,
20.8409

■ 226.8023,
294.8969, 269.1850

■ 10.1368, 18.7106,
12.8176

■ 37.4095, 57.2980,
45.6999

■ 5.5527, 11.4614,
7.1738

■ 52.2250, 77.0550,
63.3728

■ 2.6131, 6.3781,
3.4910

■ 70.5118, 100.8998,
85.0993

■ 0.9526, 3.0763,
1.3505

■ 92.6353, 129.2170,
111.2980

■ 0.0000, 1.1717,
0.1026

■ 118.9607,
162.3910, 142.3873

■ 0.0000, 0.0384,
0.0000

■ 149.8534,

■ 0.0000, 0.0000,

200.8060, 178.7859

0.0000

185.6788,
244.8465, 220.9123

■ 16.7307, 28.5102,
20.8409

■ 16.7307, 28.5102,
20.8409

■ 16.7311, 28.5112,
20.8405

■ 17.2574, 28.7476,
22.4411

■ 17.9853, 29.0861,
24.1362

■ 18.9925, 29.5666,
25.9318

■ 20.3130, 30.2067,
27.8308

■ 21.9760, 31.0213,
29.8357

■ 24.0071, 32.0238,
31.9490

■ 26.4296, 33.2258,
34.1729

■ 29.2645, 34.6385,
36.5096

■ 32.5315, 36.2719,
38.9612

Harmonies

Analogous

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



19.5107, 28.5102, 10.9555



16.7307, 28.5102, 20.8409



16.4388, 28.5102, 38.8769

Triad

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



16.7307, 28.5102, 20.8409



29.7109, 28.5102, 82.2350



37.7990, 28.5102, 12.6153

Complementary

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



16.7307, 28.5102, 20.8409



16.3244, 8.3467, 3.8841

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.



41.5867, 28.5102, 24.3388



16.7307, 28.5102, 20.8409



36.4345, 28.5102, 67.1547

Square

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



16.7307, 28.5102, 20.8409



23.2516, 28.5102, 80.0344



41.0502, 28.5102, 44.1258



31.3470, 28.5102, 7.7173

Rectangle

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



16.7307, 28.5102, 20.8409



17.6263, 28.5102, 54.2370



41.0502, 28.5102, 44.1258



39.4700, 28.5102, 15.6318

Sweetspot

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



16.7315, 28.5113, 20.8416



47.6978, 60.1665, 61.7852



15.0827, 28.0189, 4.6136



10.2588, 13.2580, 13.4555



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.



16.7315, 28.5113, 20.8416



30.2658, 51.7039, 37.3036



15.6272, 20.2411, 39.1610



7.6479, 8.4922, 9.1321



12.9953, 22.1169, 16.2737



0.3374, 0.5466, 0.5079

Inverse Universe

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



16.3244, 8.3467, 3.8841



29.5421, 15.1139, 6.6072



16.2021, 9.0585, 0.8948



7.6225, 7.5789, 8.3292



12.6769, 6.4795, 3.1100



0.3310, 0.1667, 0.1947

Previews

White Background



This preview shows how the XYZ color 16.7307, 28.5102, 20.8409 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 16.7307, 28.5102, 20.8409 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 16.7307, 28.5102, 20.8409

Background



This preview shows how black text looks on a background with the XYZ color 16.7307, 28.5102, 20.8409.



This preview shows how white text looks on a background with the XYZ color 16.7307, 28.5102,

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

16.7307, 28.5102, 20.8409

Protanopia

26.0406, 27.9350, 17.3841

Deuteranopia

28.6202, 28.0612, 21.9971



Tritanopia

21.4754, 28.6156, 43.4212

Trichromacy



Original Color

16.7307, 28.5102, 20.8409



Protanomaly

19.1341, 26.2132, 18.5192



Deuteranomaly

20.0211, 25.8910, 21.3950



Tritanomaly

19.2338, 28.4501, 33.7558

Monochromacy



Original Color

16.7307, 28.5102, 20.8409



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.6395, 18.7420, 18.2279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7307, 28.5102, 20.8409 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, 166, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 115)  
}
```

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, 166, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 115) }
```

Border

The CSS property to change the border of an element to XYZ 16.7307, 28.5102, 20.8409 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, 166, 115) }
```


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

```
.border{ border-color:rgb(0, 166, 115) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7307, 28.5102, 20.8409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 115) }
```

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

```
.background{ background-color: rgb(0, 166,  
115) }
```

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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