

Converting Colors

XYZ(16.9702, 28.6785, 18.8284)

Have a look what the booklet for
XYZ(16.9702, 28.6785, 18.8284)
contains.

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Color

**XYZ(16.9702, 28.6785,
18.8284)**

Conversions

Conversions Part 1

Format	Color
Hex	21A66C
RGB	33, 166, 108
RGB Percent	13%, 65%, 42%
CMY	0.8706, 0.3490, 0.5765
CMYK	0.80, 0.00, 0.35, 0.35
HSL	154°, 67%, 39%
HSV	154°, 80%, 65%
XYZ	16.9702, 28.6785, 18.8284
YIQ	119.6210, -60.6500, -46.2340

Conversions

Conversions Part 2

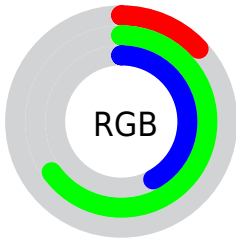
Format	Color
R _Y B	33, 118, 166
Decimal	2205292
CIE _{Lab}	60.50, -48.18, 20.47
CIE _{LCh}	60, 52.346, 156.984
Y _{xy}	28.6785, 0.2632, 0.4448
Android (android.graphics.Color)	4280395372 (0xFF21A66C)
Y _{UV}	119.6210, -5.7292, -75.9666
Hunter-Lab	53.5523, -37.1517, 16.6409

Details

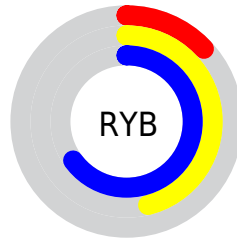
The XYZ color **16.9702, 28.6785, 18.8284** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.1591, 9.9507, 10.8624**, and the grayscale version is **17.7640, 18.6891, 20.3525**.

A 20% lighter version of the original color is **37.8333, 57.5473, 42.3714**, and **6.7207, 12.1365, 6.2633** is the 20% darker color. If you saturate the color by 10%, you get **16.1947, 28.3222, 16.8641**, and if you desaturate by 10%, it is **18.0411, 29.1850, 20.9749**.

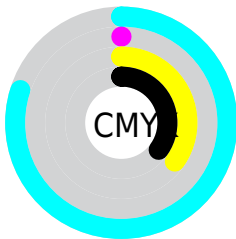
Distribution



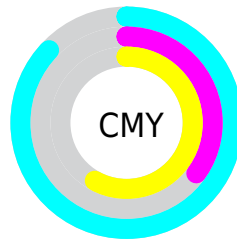
- Red (13%)
- Green (65%)
- Blue (42%)



- Red (13%)
- Yellow (46%)
- Blue (65%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (87%)
- Magenta (35%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9702, 28.6785, 18.8284 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 16.9702, 28.6785, 18.8284 by changing the saturation by 10% instead.

■ 16.9702, 28.6785,
18.8284

■ 16.9702, 28.6785,
18.8284

228.1602,
295.6950, 257.8909

■ 10.3084, 18.8377,
11.3708

■ 37.8185, 57.5659,
42.2768

■ 5.6678, 11.5531,
6.1995

■ 52.7358, 77.3813,
59.1046

■ 2.6829, 6.4402,
2.8960

■ 71.1356, 101.2904,
79.8929

■ 0.9884, 3.1145,
1.0418

■ 93.3833, 129.6776,
105.0603

■ 0.0000, 1.1918,
0.0000

■ 119.8443,
162.9273, 135.0252

■ 0.0000, 0.0550,
0.0000

■ 150.8838,

■ 0.0000, 0.0000,

201.4238, 170.2063

0.0000

186.8673,
245.5516, 211.0220

■ 16.9702, 28.6785,
18.8284

■ 16.9702, 28.6785,
18.8284

■ 16.1947, 28.3222,
16.8641

■ 18.0411, 29.1850,
20.9749

■ 15.6396, 28.0746,
15.0924

■ 19.4401, 29.8560,
23.3070

■ 21.1974, 30.7079,
25.8307

■ 23.3392, 31.7540,
28.5507

■ 25.8893, 33.0066,
31.4718

■ 28.8692, 34.4767,
34.5983

■ 32.2990, 36.1745,
37.9346

■ 36.1975, 38.1098,
41.4848

■ 40.5825, 40.2914,
45.2529

Harmonies

Analogous

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



20.1702, 28.6785, 9.9474



16.9702, 28.6785, 18.8284



16.2961, 28.6785, 35.9687

Triad

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



16.9702, 28.6785, 18.8284



28.8673, 28.6785, 84.5773



38.9989, 28.6785, 13.7742

Complementary

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



16.9702, 28.6785, 18.8284



18.1591, 9.9507, 10.8624

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.



42.2811, 28.6785, 26.9197



16.9702, 28.6785, 18.8284



35.8377, 28.6785, 71.3361

Square

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



16.9702, 28.6785, 18.8284



22.4908, 28.6785, 79.4691



41.0378, 28.6785, 48.1351



32.6554, 28.6785, 7.9841

Rectangle

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



16.9702, 28.6785, 18.8284



17.2487, 28.6785, 51.3168



41.0378, 28.6785, 48.1351



40.5407, 28.6785, 17.2115

Sweetspot

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



16.9709, 28.6796, 18.8291



49.9542, 61.3652, 60.2883



18.4107, 29.7029, 6.2021



10.7693, 13.5304, 13.0579



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.



16.9709, 28.6796, 18.8291



28.6232, 51.0594, 28.0873



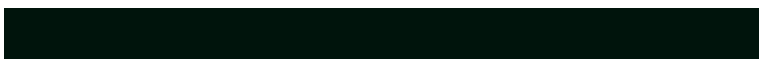
19.9695, 27.9945, 40.4288



7.6072, 8.4759, 8.9178



12.1511, 21.7792, 11.8282



0.3206, 0.5399, 0.4194

Inverse Universe

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



18.1591, 9.9507, 10.8624



30.9071, 15.8104, 13.3314



16.7483, 9.7115, 2.4310



7.6619, 7.5946, 8.5367



13.1344, 6.6625, 5.5191



0.3454, 0.1724, 0.2706

Previews

White Background



This preview shows how the XYZ color 16.9702, 28.6785, 18.8284 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 16.9702, 28.6785, 18.8284 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 16.9702, 28.6785, 18.8284

Background



This preview shows how black text looks on a background with the XYZ color 16.9702, 28.6785, 18.8284.



This preview shows how white text looks on a background with the XYZ color 16.9702, 28.6785,

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

16.9702, 28.6785, 18.8284

Protanopia

26.2822, 28.3197, 15.8854

Deuteranopia

28.6321, 28.1152, 19.8373



Tritanopia

21.7575, 28.5178, 42.8858

Trichromacy



Original Color

16.9702, 28.6785, 18.8284



Protanomaly

20.4716, 27.1865, 16.7389



Deuteranomaly

21.4178, 26.6578, 19.3459



Tritanomaly

19.5584, 28.3847, 32.4649

Monochromacy



Original Color

16.9702, 28.6785, 18.8284



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1225, 21.2270, 19.7705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9702, 28.6785, 18.8284 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(33, 166, 108)` looks like.

```
.text, #text, p{  
    color:rgb(33, 166, 108)  
}
```

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(33, 166, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 166, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.9702, 28.6785, 18.8284 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(33, 166, 108) }
```


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

```
.border{ border-color:rgb(33, 166, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 166, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 166, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 166, 108);  
box-shadow:4px 4px 4px 4px rgb(33, 166,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9702, 28.6785, 18.8284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 166, 108) }
```

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

```
.background{ background-color: rgb(33, 166,  
108) }
```

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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