

Converting Colors

XYZ(16.7501, 29.4062, 17.8378)

Have a look what the booklet for
XYZ(16.7501, 29.4062, 17.8378)
contains.

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Color

**XYZ(16.7618, 29.4141,
17.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	06A968
RGB	6, 169, 104
RGB Percent	2%, 66%, 41%
CMY	0.9764, 0.3372, 0.5921
CMYK	0.96, 0.00, 0.38, 0.34
HSL	156°, 93%, 34%
HSV	156°, 96%, 66%
XYZ	16.7618, 29.4141, 17.8908
YIQ	112.8530, -76.2830, -54.7710

Conversions

Conversions Part 2

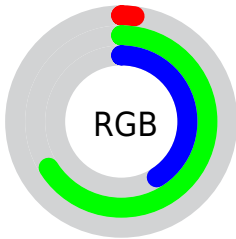
Format	Color
RYB	6, 108, 169
Decimal	436584
CIELab	61.15, -52.13, 23.47
CIELCh	61, 57.170, 155.766
Yxy	29.4141, 0.2616, 0.4591
Android (android.graphics.Color)	4278626664 (0xFF06A968)
YUV	112.8530, -4.3645, -93.7101
Hunter-Lab	54.2348, -39.7436, 18.4059

Details

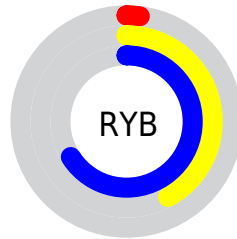
The XYZ color **16.7618, 29.4141, 17.8908** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.5659, 9.0210, 6.7793**, and the grayscale version is **15.6829, 16.4996, 17.9681**.

A 20% lighter version of the original color is **37.4402, 58.5779, 40.7859**, and **6.8445, 12.5470, 5.8024** is the 20% darker color. If you saturate the color by 10%, you get **16.5671, 29.3284, 17.2552**, and if you desaturate by 10%, it is **17.3949, 29.7001, 19.7804**.

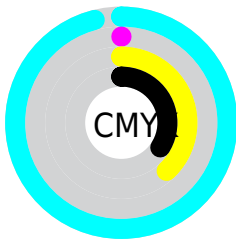
Distribution



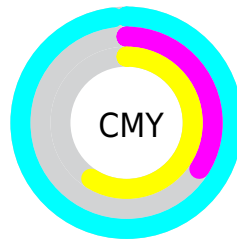
- Red (2%)
- Green (66%)
- Blue (41%)



- Red (2%)
- Yellow (42%)
- Blue (66%)



- Cyan (96%)
- Magenta (0%)
- Yellow (38%)
- Black (34%)



- Cyan (98%)
- Magenta (34%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7618, 29.4141, 17.8908 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 16.7618, 29.4141, 17.8908 by changing the saturation by 10% instead.

■ 16.7618, 29.4141,
17.8908

■ 16.7618, 29.4141,
17.8908

226.9790,
299.1638, 252.4702

■ 10.1591, 19.3943,
10.7030

■ 37.4626, 58.7344,
40.6626

■ 5.5676, 11.9555,
5.7558

■ 52.2914, 78.8036,
57.0836

■ 2.6221, 6.7134,
2.6308

■ 70.5930, 102.9915,
77.4195

■ 0.9572, 3.2835,
0.9083

■ 92.7326, 131.6824,
102.0888

■ 0.0000, 1.2815,
0.0000

■ 119.0757,
165.2606, 131.5099

■ 0.0000, 0.1268,
0.0000

■ 149.9875,

■ 0.0000, 0.0000,

204.1107, 166.1015

0.0000

185.8335,
248.6170, 206.2821

■ 16.7618, 29.4141,
17.8908

■ 16.7618, 29.4141,
17.8908

■ 16.5671, 29.3284,
17.2552

■ 17.3949, 29.7001,
19.7804

■ 18.2957, 30.1201,
21.8281

■ 19.5118, 30.6993,
24.0396

■ 21.0772, 31.4553,
26.4198

■ 23.0212, 32.4030,
28.9728

■ 25.3700, 33.5558,
31.7027

■ 28.1473, 34.9260,
34.6135

■ 31.3748, 36.5247,
37.7088

■ 35.0730, 38.3623,
40.9922

Harmonies

Analogous

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



20.3476, 29.4141, 8.8459



16.7618, 29.4141, 17.8908



15.9245, 29.4141, 36.3581

Triad

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



16.7618, 29.4141, 17.8908



29.4312, 29.4141, 93.1913



41.3657, 29.4141, 13.4454

Complementary

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



16.7618, 29.4141, 17.8908



17.5659, 9.0210, 6.7793

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.



44.8982, 29.4141, 28.0542



16.7618, 29.4141, 17.8908



37.2607, 29.4141, 78.5810

Square

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



16.7618, 29.4141, 17.8908



22.4463, 29.4141, 86.3735



43.2756, 29.4141, 52.1441



34.3034, 29.4141, 7.2002

Rectangle

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



16.7618, 29.4141, 17.8908



16.8780, 29.4141, 53.5423



43.2756, 29.4141, 52.1441



43.0578, 29.4141, 17.2201

Sweetspot

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



16.7626, 29.4153, 17.8915



48.7933, 61.7503, 60.3492



16.8354, 29.7377, 5.0254



10.1927, 13.2408, 12.6895



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.



16.7626, 29.4153, 17.8915



29.5639, 52.4813, 30.3447



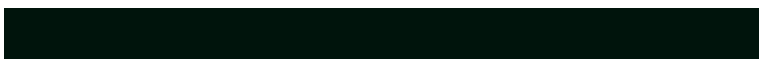
18.5798, 25.5892, 41.4974



7.6189, 8.4806, 8.9795



12.3739, 21.8683, 13.0016



0.3253, 0.5417, 0.4438

Inverse Universe

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



17.5659, 9.0210, 6.7793



31.0429, 15.8023, 10.5294



16.6887, 9.0344, 1.0370



7.6504, 7.5900, 8.4763



12.9837, 6.6022, 4.7255



0.3413, 0.1708, 0.2486

Previews

White Background



This preview shows how the XYZ color 16.7618, 29.4141, 17.8908 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 16.7618, 29.4141, 17.8908 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 16.7618, 29.4141, 17.8908

Background



This preview shows how black text looks on a background with the XYZ color 16.7618, 29.4141, 17.8908.



This preview shows how white text looks on a background with the XYZ color 16.7618, 29.4141,

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

16.7618, 29.4141, 17.8908

Protanopia

26.7974, 29.0646, 15.0241

Deuteranopia

29.6277, 29.0817, 19.0907



Tritanopia

22.3093, 29.5378, 44.5699

Trichromacy



Original Color

16.7618, 29.4141, 17.8908



Protanomaly

19.5195, 27.2081, 15.7782



Deuteranomaly

20.4555, 26.6607, 18.2553



Tritanomaly

19.6147, 29.1923, 33.0346

Monochromacy



Original Color

16.7618, 29.4141, 17.8908



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.0260, 19.3567, 17.7488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7618, 29.4141, 17.8908 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(6, 169, 104)` looks like.

```
.text, #text, p{  
    color:rgb(6, 169, 104)  
}
```

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(6, 169, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 169, 104) }
```

Border

The CSS property to change the border of an element to XYZ 16.7618, 29.4141, 17.8908 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(6, 169, 104) }
```


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

```
.border{ border-color:rgb(6, 169, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 169, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 169, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 169, 104);  
box-shadow:4px 4px 4px 4px rgb(6, 169,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7618, 29.4141, 17.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 169, 104) }
```

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

```
.background{ background-color: rgb(6, 169,  
104) }
```

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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