

Converting Colors

XYZ(15.6842, 29.1841, 18.2928)

Have a look what the booklet for
XYZ(15.6842, 29.1841, 18.2928)
contains.

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Color

**XYZ(16.9245, 29.7694,
18.2187)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA69
RGB	0, 170, 105
RGB Percent	0%, 67%, 41%
CMY	1.0000, 0.3333, 0.5882
CMYK	1.00, 0.00, 0.38, 0.33
HSL	157°, 100%, 33%
HSV	157°, 100%, 67%
XYZ	16.9245, 29.7694, 18.2187
YIQ	111.7600, -80.4550, -56.2550

Conversions

Conversions Part 2

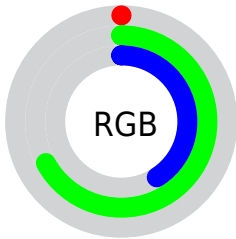
Format	Color
RYB	0, 105, 170
Decimal	43625
CIELab	61.45, -52.56, 23.33
CIELCh	61, 57.508, 156.062
Yxy	29.7694, 0.2607, 0.4586
Android (android.graphics.Color)	4278233705 (0xFF00AA69)
YUV	111.7600, -3.3327, -98.0135
Hunter-Lab	54.5613, -40.1130, 18.3953

Details

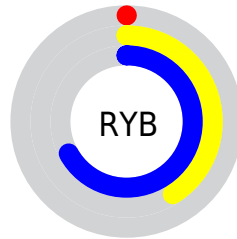
The XYZ color **16.9245, 29.7694, 18.2187** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.5326, 8.9282, 5.8013**, and the grayscale version is **15.3580, 16.1578, 17.5959**.

A 20% lighter version of the original color is **37.6958, 59.1023, 41.3194**, and **6.9839, 12.7862, 5.9708** is the 20% darker color. If you saturate the color by 10%, you get **16.9251, 29.7705, 18.2188**, and if you desaturate by 10%, it is **17.5036, 30.0286, 20.0579**.

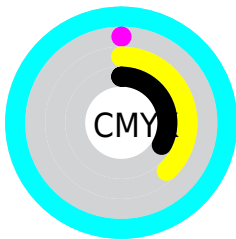
Distribution



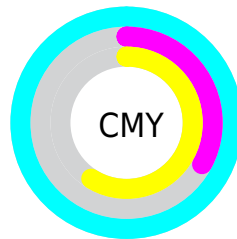
- Red (0%)
- Green (67%)
- Blue (41%)



- Red (0%)
- Yellow (41%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9245, 29.7694, 18.2187 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 16.9245, 29.7694, 18.2187 by changing the saturation by 10% instead.

■ 16.9245, 29.7694,
18.2187

■ 16.9245, 29.7694,
18.2187

■ 227.9017,
300.8281, 254.3783

■ 10.2756, 19.6636,
10.9361

■ 37.7406, 59.2973,
41.2286

■ 5.6458, 12.1508,
5.9102

■ 52.6385, 79.4882,
57.7929

■ 2.6695, 6.8464,
2.7227

■ 71.0168, 103.8096,
78.2882

■ 0.9815, 3.3663,
0.9548

■ 93.2408, 132.6460,
103.1330

■ 0.0000, 1.3258,
0.0000

■ 119.6760,
166.3816, 132.7459

■ 0.0000, 0.1610,
0.0000

■ 150.6876,

■ 0.0000, 0.0000,

205.4009, 167.5454

0.0000

186.6410,
250.0882, 207.9500

■ 16.9245, 29.7694,
18.2187

■ 16.9245, 29.7694,
18.2187

■ 16.9251, 29.7705,
18.2188

■ 17.5036, 30.0286,
20.0579

■ 18.3054, 30.3988,
22.0431

■ 19.4109, 30.9226,
24.1816

■ 20.8566, 31.6186,
26.4776

■ 22.6738, 32.5028,
28.9354

■ 24.8900, 33.5895,
31.5587

■ 27.5298, 34.8914,
34.3512

■ 30.6161, 36.4200,
37.3164

■ 34.1699, 38.1862,
40.4577

Harmonies

Analogous

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



20.5310, 29.7694, 8.9792



16.9245, 29.7694, 18.2187



16.1033, 29.7694, 37.0400

Triad

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



16.9245, 29.7694, 18.2187



29.8672, 29.7694, 94.4324



41.8371, 29.7694, 13.4843

Complementary

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



16.9245, 29.7694, 18.2187



17.5326, 8.9282, 5.8013

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.



45.4676, 29.7694, 28.1898



16.9245, 29.7694, 18.2187



37.8043, 29.7694, 79.4169

Square

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



16.9245, 29.7694, 18.2187



22.7671, 29.7694, 87.7278



43.8733, 29.7694, 52.5466



34.6520, 29.7694, 7.2281

Rectangle

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



16.9245, 29.7694, 18.2187



17.0876, 29.7694, 54.5116



43.8733, 29.7694, 52.5466



43.5672, 29.7694, 17.2775

Sweetspot

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



16.9253, 29.7706, 18.2194



49.6653, 63.1645, 62.0389



16.5667, 29.8803, 4.8945



10.6207, 13.8614, 13.3653



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.



16.9253, 29.7706, 18.2194



30.5984, 53.9697, 32.4798



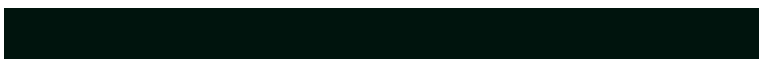
18.1896, 24.7694, 41.8540



7.6241, 8.4827, 9.0068



12.4776, 21.9098, 13.5479



0.3274, 0.5426, 0.4549

Inverse Universe

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



17.5326, 8.9282, 5.8013



31.7111, 16.1591, 10.0061



16.8256, 9.0410, 0.8584



7.6454, 7.5880, 8.4498



12.9220, 6.5775, 4.4010



0.3394, 0.1700, 0.2389

Previews

White Background



This preview shows how the XYZ color 16.9245, 29.7694, 18.2187 looks on a white background.

Color Contrast Check

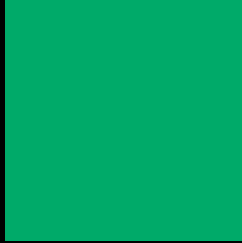
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9245, 29.7694, 18.2187 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 16.9245, 29.7694, 18.2187

Background



This preview shows how black text looks on a background with the XYZ color 16.9245, 29.7694, 18.2187.



This preview shows how white text looks on a background with the XYZ color 16.9245, 29.7694,

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

16.9245, 29.7694, 18.2187

Protanopia

27.0422, 29.1855, 15.2744

Deuteranopia

29.6831, 29.1038, 19.3824



Tritanopia

22.5827, 29.9279, 45.1439

Trichromacy



Original Color

16.9245, 29.7694, 18.2187



Protanomaly

19.4530, 27.1683, 16.0231



Deuteranomaly

20.4190, 26.8756, 18.5793



Tritanomaly

19.7969, 29.5436, 33.5132

Monochromacy



Original Color

16.9245, 29.7694, 18.2187



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.7464, 19.2188, 17.4531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9245, 29.7694, 18.2187 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, 170, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 105)  
}
```

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, 170, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 105) }
```

Border

The CSS property to change the border of an element to XYZ 16.9245, 29.7694, 18.2187 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, 170, 105) }
```


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

```
.border{ border-color:rgb(0, 170, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9245, 29.7694, 18.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 105) }
```

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

```
.background{ background-color: rgb(0, 170,  
105) }
```

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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