

Converting Colors

XYZ(16.6000, 28.7044, 19.2339)

Have a look what the booklet for
XYZ(16.6000, 28.7044, 19.2339)
contains.

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Color

**XYZ(16.6166, 28.7609,
19.1436)**

Conversions

Conversions Part 1

Format	Color
Hex	03A76D
RGB	3, 167, 109
RGB Percent	1%, 65%, 43%
CMY	0.9882, 0.3451, 0.5725
CMYK	0.98, 0.00, 0.35, 0.35
HSL	159°, 96%, 33%
HSV	159°, 98%, 65%
XYZ	16.6166, 28.7609, 19.1436
YIQ	111.3520, -79.1260, -52.8060

Conversions

Conversions Part 2

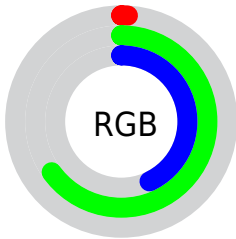
Format	Color
RYB	3, 103, 167
Decimal	239469
CIELab	60.57, -50.46, 19.97
CIELCh	61, 54.273, 158.406
Yxy	28.7609, 0.2575, 0.4458
Android (android.graphics.Color)	4278429549 (0xFF03A76D)
YUV	111.3520, -1.1595, -95.0247
Hunter-Lab	53.6292, -38.5442, 16.3761

Details

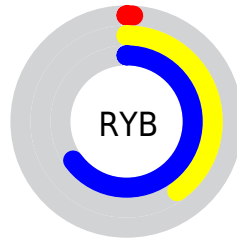
The XYZ color **16.6166, 28.7609, 19.1436** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.8124, 8.6183, 5.1945**, and the grayscale version is **15.2331, 16.0264, 17.4528**.

A 20% lighter version of the original color is **37.1351, 57.5727, 42.8736**, and **6.8596, 12.3715, 6.4413** is the 20% darker color. If you saturate the color by 10%, you get **16.5226, 28.7198, 18.8420**, and if you desaturate by 10%, it is **17.1912, 29.0199, 20.8874**.

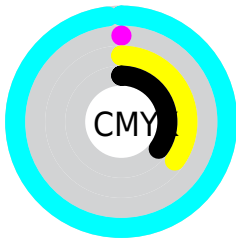
Distribution



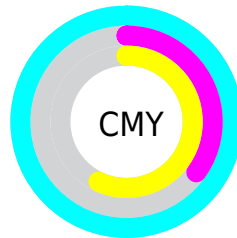
- Red (1%)
- Green (65%)
- Blue (43%)



- Red (1%)
- Yellow (40%)
- Blue (65%)



- Cyan (98%)
- Magenta (0%)
- Yellow (35%)
- Black (35%)



- Cyan (99%)
- Magenta (35%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6166, 28.7609, 19.1436 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 16.6166, 28.7609, 19.1436 by changing the saturation by 10% instead.

■ 16.6166, 28.7609,
19.1436

■ 16.6166, 28.7609,
19.1436

226.1527,
296.0851, 259.6895

■ 10.0551, 18.9000,
11.5962

■ 37.2143, 57.6970,
42.8165

■ 5.4981, 11.5981,
6.3502

■ 51.9811, 77.5410,
59.7792

■ 2.5801, 6.4706,
2.9870

■ 70.2139, 101.4815,
80.7173

■ 0.9358, 3.1333,
1.0880

■ 92.2778, 129.9028,
106.0495

■ 0.0000, 1.2017,
0.0000

■ 118.5383,
163.1895, 136.1943

■ 0.0000, 0.0631,
0.0000

■ 149.3607,

■ 0.0000, 0.0000,

201.7259, 171.5702

0.0000

185.1104,
245.8963, 212.5957

■ 16.6166, 28.7609,
19.1436

■ 16.6166, 28.7609,
19.1436

■ 16.5226, 28.7198,
18.8420

■ 17.1912, 29.0199,
20.8874

■ 18.0012, 29.3970,
22.7552

■ 19.1061, 29.9235,
24.7526

■ 20.5397, 30.6169,
26.8831

■ 22.3309, 31.4920,
29.1500

■ 24.5055, 32.5620,
31.5565

■ 27.0865, 33.8388,
34.1055

■ 30.0954, 35.3334,
36.7999

■ 33.5520, 37.0560,
39.6422

Harmonies

Analogous

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



19.7853, 28.7609, 9.7532



16.6166, 28.7609, 19.1436



16.0480, 28.7609, 37.3077

Triad

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



16.6166, 28.7609, 19.1436



29.3555, 28.7609, 87.1686



39.3246, 28.7609, 12.9284

Complementary

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



16.6166, 28.7609, 19.1436



16.8124, 8.6183, 5.1945

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.



42.9653, 28.7609, 26.0023



16.6166, 28.7609, 19.1436



36.5991, 28.7609, 72.3790

Square

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



16.6166, 28.7609, 19.1436



22.6675, 28.7609, 82.7040



41.8907, 28.7609, 47.7891



32.6060, 28.7609, 7.3823

Rectangle

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



16.6166, 28.7609, 19.1436



17.1073, 28.7609, 53.5164



41.8907, 28.7609, 47.7891



40.9971, 28.7609, 16.3015

Sweetspot

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



16.6174, 28.7620, 19.1443



47.8503, 60.2748, 60.4566



15.8948, 28.7065, 4.7897



10.2716, 13.2723, 13.1052



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.



16.6174, 28.7620, 19.1443



29.4885, 51.3930, 33.2104



17.1595, 23.1025, 40.1154



7.6332, 8.4863, 9.0545



12.6667, 21.9854, 14.5434



0.3311, 0.5441, 0.4746

Inverse Universe

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



16.8124, 8.6183, 5.1945



29.8687, 15.2445, 8.3271



16.2985, 8.9125, 0.9478



7.6366, 7.5845, 8.4036



12.8215, 6.5373, 3.8717



0.3362, 0.1688, 0.2220

Previews

White Background



This preview shows how the XYZ color 16.6166, 28.7609, 19.1436 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 16.6166, 28.7609, 19.1436 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 16.6166, 28.7609, 19.1436

Background



This preview shows how black text looks on a background with the XYZ color 16.6166, 28.7609, 19.1436.



This preview shows how white text looks on a background with the XYZ color 16.6166, 28.7609,

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

16.6166, 28.7609, 19.1436

Protanopia

26.3303, 28.3390, 16.1388

Deuteranopia

28.6893, 28.1381, 20.1388



Tritanopia

21.5895, 28.6744, 43.4265

Trichromacy



Original Color

16.6166, 28.7609, 19.1436



Protanomaly

19.2062, 26.5284, 16.9402



Deuteranomaly

20.0348, 25.9384, 19.5734



Tritanomaly

19.1445, 28.4227, 32.9109

Monochromacy



Original Color

16.6166, 28.7609, 19.1436



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.6033, 18.7361, 17.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6166, 28.7609, 19.1436 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(3, 167, 109)` looks like.

```
.text, #text, p{  
    color:rgb(3, 167, 109)  
}
```

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(3, 167, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 167, 109) }
```

Border

The CSS property to change the border of an element to XYZ 16.6166, 28.7609, 19.1436 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(3, 167, 109) }
```


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

```
.border{ border-color:rgb(3, 167, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 167, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 167, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 167, 109);  
box-shadow:4px 4px 4px 4px rgb(3, 167,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6166, 28.7609, 19.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 167, 109) }
```

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

```
.background{ background-color: rgb(3, 167,  
109) }
```

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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