

Converting Colors

XYZ(16.3074, 28.8759, 15.6227)

Have a look what the booklet for
XYZ(16.3074, 28.8759, 15.6227)
contains.

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Color

**XYZ(16.3367, 28.9699,
15.5572)**

Conversions

Conversions Part 1

Format	Color
Hex	13A85F
RGB	19, 168, 95
RGB Percent	7%, 66%, 37%
CMY	0.9255, 0.3412, 0.6274
CMYK	0.89, 0.00, 0.43, 0.34
HSL	151°, 80%, 37%
HSV	151°, 89%, 66%
XYZ	16.3367, 28.9699, 15.5572
YIQ	115.1270, -65.3710, -54.2910

Conversions

Conversions Part 2

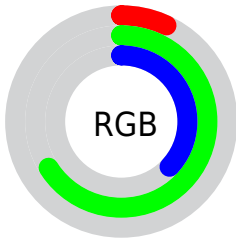
Format	Color
RYB	19, 118, 168
Decimal	1288287
CIELab	60.76, -52.84, 27.78
CIELCh	61, 59.697, 152.268
Yxy	28.9699, 0.2684, 0.4760
Android (android.graphics.Color)	4279478367 (0xFF13A85F)
YUV	115.1270, -9.9226, -84.3034
Hunter-Lab	53.8237, -40.0127, 20.5394

Details

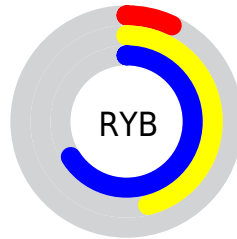
The XYZ color **16.3367, 28.9699, 15.5572** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3139, 9.5638, 11.0069**, and the grayscale version is **16.3783, 17.2313, 18.7648**.

A 20% lighter version of the original color is **36.6678, 57.8734, 36.4322**, and **6.5304, 12.2399, 4.7077** is the 20% darker color. If you saturate the color by 10%, you get **15.7417, 28.7049, 13.6788**, and if you desaturate by 10%, it is **17.1838, 29.3618, 17.6551**.

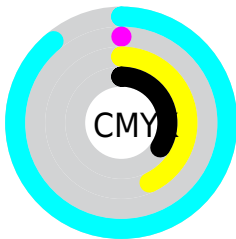
Distribution



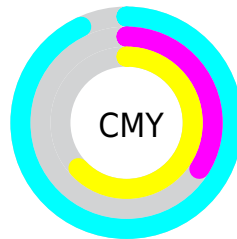
- Red (7%)
- Green (66%)
- Blue (37%)



- Red (7%)
- Yellow (46%)
- Blue (66%)



- Cyan (89%)
- Magenta (0%)
- Yellow (43%)
- Black (34%)





- Cyan (93%)
- Magenta (34%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3367, 28.9699, 15.5572 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 16.3367, 28.9699, 15.5572 by changing the saturation by 10% instead.


 16.3367, 28.9699,
15.5572


 16.3367, 28.9699,
15.5572


224.5519,
297.0729, 238.4703


 9.8551, 19.0581,
9.0604


 36.7345, 58.0293,
36.5838


 5.3645, 11.7122,
4.6833


 51.3814, 77.9456,
51.9507


 2.4996, 6.5480,
2.0072


 69.4807, 101.9655,
71.1113

 0.8951, 3.1811,
0.5597

 91.3979, 130.4734,
94.4843

 0.0000, 1.2270,
0.0000

 117.4983,
163.8537, 122.4882

 0.0000, 0.0836,
0.0000

 148.1471,

 0.0000, 0.0000,

202.4908, 155.5414

0.0000

183.7099,
246.7691, 194.0626

■ 16.3367, 28.9699,
15.5572

■ 16.3367, 28.9699,
15.5572

■ 15.7417, 28.7049,
13.6788

■ 17.1838, 29.3618,
17.6551

■ 15.6705, 28.6733,
13.4477

■ 18.3455, 29.9105,
19.9797

■ 19.8579, 30.6350,
22.5391

■ 21.7512, 31.5511,
25.3403

■ 24.0524, 32.6722,
28.3900

■ 26.7857, 34.0110,
31.6946

■ 29.9735, 35.5788,
35.2603

■ 33.6366, 37.3861,
39.0928

■ 37.7944, 39.4430,
43.1979

Harmonies

Analogous

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



20.3192, 28.9699, 7.4656



16.3367, 28.9699, 15.5572



15.1653, 28.9699, 33.2632

Triad

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



16.3367, 28.9699, 15.5572



28.1292, 28.9699, 96.3132



42.1591, 28.9699, 13.8010

Complementary

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



16.3367, 28.9699, 15.5572



18.3139, 9.5638, 11.0069

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.



45.2755, 28.9699, 29.8837



16.3367, 28.9699, 15.5572



36.2840, 28.9699, 83.1569

Square

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



16.3367, 28.9699, 15.5572



21.1651, 28.9699, 86.4230



42.9477, 28.9699, 55.8689



35.0697, 28.9699, 6.8376

Rectangle

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



16.3367, 28.9699, 15.5572



15.9164, 28.9699, 50.6425



42.9477, 28.9699, 55.8689



43.7603, 28.9699, 17.9746

Sweetspot

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



16.3374, 28.9711, 15.5579



49.2509, 62.0329, 58.2594



18.6860, 30.4068, 5.5005



10.3576, 13.3355, 12.2588



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.



16.3374, 28.9711, 15.5579



28.3265, 51.9864, 23.8287



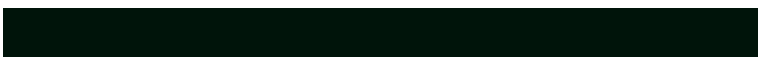
21.3399, 30.9721, 41.9007



7.5904, 8.4692, 8.8293



11.8593, 21.6625, 10.2917



0.3143, 0.5374, 0.3860

Inverse Universe

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



18.3139, 9.5638, 11.0069



31.9810, 16.1775, 15.4696



16.4996, 8.8380, 1.4525



7.6785, 7.6013, 8.6244



13.3795, 6.7605, 6.8099



0.3515, 0.1749, 0.3022

Previews

White Background



This preview shows how the XYZ color 16.3367, 28.9699, 15.5572 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 16.3367, 28.9699, 15.5572 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 16.3367, 28.9699, 15.5572

Background



This preview shows how black text looks on a background with the XYZ color 16.3367, 28.9699, 15.5572.



This preview shows how white text looks on a background with the XYZ color 16.3367, 28.9699,

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

16.3367, 28.9699, 15.5572

Protanopia

26.2567, 28.6006, 12.9407

Deuteranopia

28.8645, 28.3088, 16.5132



Tritanopia

21.9589, 28.8648, 43.4438

Trichromacy



Original Color

16.3367, 28.9699, 15.5572



Protanomaly

19.5431, 27.0206, 13.6367



Deuteranomaly

20.4946, 26.4955, 15.8383



Tritanomaly

19.1733, 28.4827, 30.8727

Monochromacy



Original Color

16.3367, 28.9699, 15.5572



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.5401, 19.8384, 17.2502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3367, 28.9699, 15.5572 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(19, 168, 95)` looks like.

```
.text, #text, p{  
    color:rgb(19, 168, 95)  
}
```

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(19, 168, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 168, 95) }
```

Border

The CSS property to change the border of an element to XYZ 16.3367, 28.9699, 15.5572 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(19, 168, 95) }
```


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

```
.border{ border-color:rgb(19, 168, 95) }
```

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

Here you see how a box with a 4 pixel rgb(19, 168, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 168, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 168, 95);  
box-shadow:4px 4px 4px 4px rgb(19, 168,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3367, 28.9699, 15.5572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 168, 95) }
```

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

```
.background{ background-color: rgb(19, 168,  
95) }
```

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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