

Converting Colors

XYZ(16.9112, 28.0152, 14.9527)

Have a look what the booklet for
XYZ(16.9112, 28.0152, 14.9527)
contains.

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Color

**XYZ(16.8179, 27.8842,
14.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA35D
RGB	58, 163, 93
RGB Percent	23%, 64%, 36%
CMY	0.7725, 0.3608, 0.6353
CMYK	0.64, 0.00, 0.43, 0.36
HSL	140°, 48%, 43%
HSV	140°, 64%, 64%
XYZ	16.8179, 27.8842, 14.8517
YIQ	123.6250, -40.1100, -44.0300

Conversions

Conversions Part 2

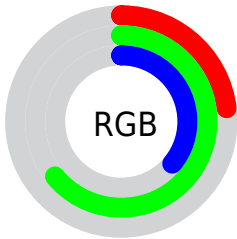
Format	Color
RYB	58, 137, 163
Decimal	3842909
CIELab	59.78, -45.95, 27.71
CIELCh	60, 53.660, 148.909
Yxy	27.8842, 0.2824, 0.4682
Android (android.graphics.Color)	4282032989 (0xFF3AA35D)
YUV	123.6250, -15.0981, -57.5531
Hunter-Lab	52.8055, -35.5596, 20.2884

Details

The XYZ color **16.8179, 27.8842, 14.8517** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.5145, 12.3717, 21.7299**, and the grayscale version is **19.0922, 20.0865, 21.8742**.

A 20% lighter version of the original color is **37.5680, 56.3897, 35.2898**, and **6.0496, 11.3413, 4.3529** is the 20% darker color. If you saturate the color by 10%, you get **15.5685, 27.2926, 12.4570**, and if you desaturate by 10%, it is **18.4371, 28.6601, 17.6220**.

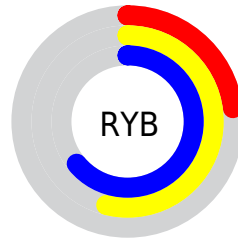
Distribution



Red (23%)

Green (64%)

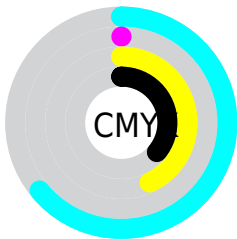
Blue (36%)



Red (23%)

Yellow (54%)

Blue (64%)

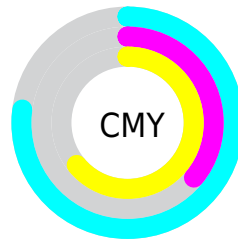


Cyan (64%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (77%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8179, 27.8842, 14.8517 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 16.8179, 27.8842, 14.8517 by changing the saturation by 10% instead.

■ 16.8179, 27.8842,
14.8517

■ 16.8179, 27.8842,
14.8517

227.2976,
291.9132, 234.0766

■ 10.1992, 18.2384,
8.5699

■ 37.5585, 56.2995,
35.3314

■ 5.5945, 11.1213,
4.3688

■ 52.4112, 75.8378,
50.3664

■ 2.6384, 6.1485,
1.8298

■ 70.7392, 99.4424,
69.1563

■ 0.9656, 2.9356,
0.4475

■ 92.9080, 127.4976,
92.1195

■ 0.0000, 1.0982,
0.0000

■ 119.2829,
160.3879, 119.6745

■ 0.0000, 0.0000,
0.0000

150.2292,

198.4977, 152.2401

186.1123,
242.2113, 190.2346

■ 16.8179, 27.8842,
14.8517

■ 16.8179, 27.8842,
14.8517

■ 15.5685, 27.2926,
12.4570

■ 18.4371, 28.6601,
17.6220

■ 14.6545, 26.8656,
10.4196

■ 20.4523, 29.6311,
20.7815

■ 14.0379, 26.5846,
8.7222

■ 22.8897, 30.8113,
24.3453

■ 13.7714, 26.4649,
7.9136

■ 25.7726, 32.2123,
28.3271

■ 29.1223, 33.8450,
32.7402

■ 32.9591, 35.7194,
37.5970

■ 37.3018, 37.8450,
42.9096

■ 42.1683, 40.2309,
48.6894

■ 47.5756, 42.8855,
54.9476

Harmonies

Analogous

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



20.6772, 27.8842, 7.9776



16.8179, 27.8842, 14.8517



15.4718, 27.8842, 29.6545

Triad

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



16.8179, 27.8842, 14.8517



26.2552, 27.8842, 85.2182



39.6596, 27.8842, 15.6308

Complementary

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



16.8179, 27.8842, 14.8517



20.5145, 12.3717, 21.7299

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.



41.8240, 27.8842, 31.0789



16.8179, 27.8842, 14.8517



33.3318, 27.8842, 76.2883

Square

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



16.8179, 27.8842, 14.8517



20.3144, 27.8842, 74.9795



39.3351, 27.8842, 54.0636



33.8361, 27.8842, 8.2733

Rectangle

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



16.8179, 27.8842, 14.8517



15.9676, 27.8842, 44.1680



39.3351, 27.8842, 54.0636



40.8790, 27.8842, 19.7809

Sweetspot

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



16.8186, 27.8853, 14.8523



49.0861, 59.1153, 54.6342



23.0295, 31.2272, 8.8169



10.6630, 13.1009, 11.7916



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8186, 27.8853, 14.8523



27.1556, 48.5365, 20.7698



19.8579, 29.1011, 30.8570



7.0784, 7.9322, 8.0247



10.7218, 20.5751, 6.2515



0.2465, 0.4408, 0.2430

Inverse Universe

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



20.5145, 12.3717, 21.7299



34.2493, 18.5605, 33.8224



17.9665, 11.3525, 8.3123



7.2635, 7.1618, 8.3738



13.8919, 6.9128, 11.8871



0.3124, 0.1535, 0.3578

Previews

White Background



This preview shows how the XYZ color 16.8179, 27.8842, 14.8517 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 16.8179, 27.8842, 14.8517 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 16.8179, 27.8842, 14.8517

Background



This preview shows how black text looks on a background with the XYZ color 16.8179, 27.8842, 14.8517.



This preview shows how white text looks on a background with the XYZ color 16.8179, 27.8842,

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

16.8179, 27.8842, 14.8517

Protanopia

25.1725, 27.3687, 12.5503

Deuteranopia

27.9924, 27.4501, 15.6274



Tritanopia

21.9240, 27.6506, 40.7408

Trichromacy



Original Color

16.8179, 27.8842, 14.8517

Protanomaly

20.4135, 26.5103, 13.2736

Deuteranomaly

21.6425, 26.1667, 15.2193

Tritanomaly

19.5382, 27.4239, 29.0745

Monochromacy



Original Color

16.8179, 27.8842, 14.8517

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.3246, 22.0785, 18.9713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8179, 27.8842, 14.8517 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(58, 163, 93)` looks like.

```
.text, #text, p{  
    color:rgb(58, 163, 93)  
}
```

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(58, 163, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 163, 93) }
```

Border

The CSS property to change the border of an element to XYZ 16.8179, 27.8842, 14.8517 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(58, 163, 93) }
```


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

```
.border{ border-color:rgb(58, 163, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 163, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 163, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 163, 93);  
box-shadow:4px 4px 4px 4px rgb(58, 163,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8179, 27.8842, 14.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 163, 93) }
```

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

```
.background{ background-color: rgb(58, 163,  
93) }
```

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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