

Converting Colors

XYZ(16.8127, 28.4493, 9.1665)

Have a look what the booklet for
XYZ(16.8127, 28.4493, 9.1665)
contains.

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Color

**XYZ(16.8504, 28.5602,
9.1820)**

Conversions

Conversions Part 1

Format	Color
Hex	46A53E
RGB	70, 165, 62
RGB Percent	27%, 65%, 24%
CMY	0.7255, 0.3529, 0.7569
CMYK	0.58, 0.00, 0.62, 0.35
HSL	115°, 45%, 45%
HSV	115°, 62%, 65%
XYZ	16.8504, 28.5602, 9.1820
YIQ	124.8530, -23.5570, -52.1730

Conversions

Conversions Part 2

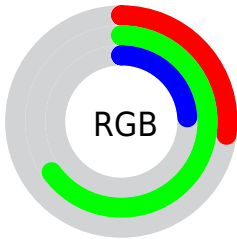
Format	Color
RYB	62, 165, 157
Decimal	4629822
CIELab	60.39, -48.39, 44.00
CIELCh	60, 65.406, 137.717
Yxy	28.5602, 0.3087, 0.5232
Android (android.graphics.Color)	4282819902 (0xFF46A53E)
YUV	124.8530, -30.9865, -48.1061
Hunter-Lab	53.4417, -37.2413, 27.2224

Details

The XYZ color **16.8504, 28.5602, 9.1820** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.4206, 13.3311, 36.9904**, and the grayscale version is **19.5507, 20.5689, 22.3995**.

A 20% lighter version of the original color is **37.5895, 57.4172, 24.7242**, and **5.8216, 11.5993, 2.0756** is the 20% darker color. If you saturate the color by 10%, you get **15.5027, 27.9109, 7.1039**, and if you desaturate by 10%, it is **18.6152, 29.4104, 11.9984**.

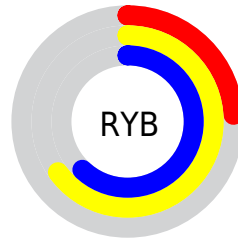
Distribution



Red (27%)

Green (65%)

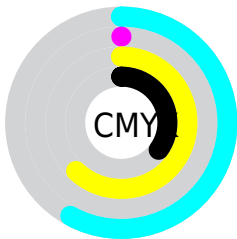
Blue (24%)



Red (24%)

Yellow (65%)

Blue (62%)

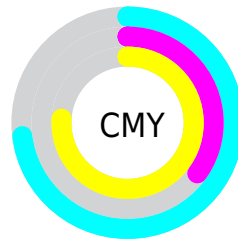


Cyan (58%)

Magenta (0%)

Yellow (62%)

Black (35%)



Cyan (73%)

Magenta (35%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8504, 28.5602, 9.1820 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 16.8504, 28.5602, 9.1820 by changing the saturation by 10% instead.

■ 16.8504, 28.5602,
9.1820

■ 16.8504, 28.5602,
9.1820

227.4819,
295.1342, 194.9976

■ 10.2225, 18.7484,
4.7617

■ 37.6140, 57.3776,
24.8284

■ 5.6101, 11.4886,
2.0518

■ 52.4805, 77.1519,
36.8916

■ 2.6479, 6.3965,
0.5869

■ 70.8239, 101.0159,
52.3394

■ 0.9704, 3.0876,
0.0000

■ 93.0095, 129.3540,
71.5904

■ 0.0000, 1.1777,
0.0000

■ 119.4028,
162.5504, 95.0632

■ 0.0000, 0.0433,
0.0000

150.3690,

■ 0.0000, 0.0000,

200.9896, 123.1764

0.0000

186.2736,
245.0561, 156.3483

■ 16.8504, 28.5602,
9.1820

■ 16.8504, 28.5602,
9.1820

■ 15.5027, 27.9109,
7.1039

■ 18.6152, 29.4104,
11.9984

■ 14.5356, 27.4426,
5.6934

■ 20.8256, 30.4722,
15.6115

■ 13.9101, 27.1377,
4.8691

■ 23.5099, 31.7599,
20.0761

■ 13.6189, 26.9956,
4.4929

■ 26.6933, 33.2856,
25.4415

■ 30.3996, 35.0604,
31.7534

■ 34.6508, 37.0948,
39.0543

■ 39.4678, 39.3986,
47.3842

■ 44.8701, 41.9812,
56.7807

■ 50.8765, 44.8515,
67.2797

Harmonies

Analogous

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



22.5144, 28.5602, 4.5504



16.8504, 28.5602, 9.1820



14.2088, 28.5602, 22.2459

Triad

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



16.8504, 28.5602, 9.1820



23.8476, 28.5602, 101.8826



45.6544, 28.5602, 19.0221

Complementary

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



16.8504, 28.5602, 9.1820



22.4206, 13.3311, 36.9904

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.



46.2181, 28.5602, 42.0310



16.8504, 28.5602, 9.1820



32.3719, 28.5602, 99.3955

Square

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



16.8504, 28.5602, 9.1820



17.6519, 28.5602, 79.5068



40.9584, 28.5602, 73.8401



39.5483, 28.5602, 7.8726

Rectangle

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



16.8504, 28.5602, 9.1820



14.0640, 28.5602, 37.7422



40.9584, 28.5602, 73.8401



46.5379, 28.5602, 25.2819

Sweetspot

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



16.8511, 28.5614, 9.1826



49.7432, 60.5385, 48.8537



28.3464, 32.2657, 9.2918



10.4992, 13.0550, 10.0426



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.



16.8511, 28.5614, 9.1826



27.0008, 49.6156, 11.5886



17.9882, 28.9540, 17.9836



7.0342, 7.9201, 7.5381



10.3208, 20.4310, 3.3996



0.2312, 0.4367, 0.0721

Inverse Universe

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



22.4206, 13.3311, 36.9904



37.7451, 19.9806, 65.6196



20.7588, 12.8526, 19.8272



7.3098, 7.1741, 8.9025



14.9799, 7.1289, 27.5163



0.3297, 0.1575, 0.5789

Previews

White Background



This preview shows how the XYZ color 16.8504, 28.5602, 9.1820 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 16.8504, 28.5602, 9.1820 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 16.8504, 28.5602, 9.1820

Background



This preview shows how black text looks on a background with the XYZ color 16.8504, 28.5602, 9.1820.



This preview shows how white text looks on a background with the XYZ color 16.8504, 28.5602,

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

16.8504, 28.5602, 9.1820

Protanopia

25.5372, 28.1134, 7.8219

Deuteranopia

28.5541, 28.0841, 9.7102



Tritanopia

23.2106, 28.5599, 40.8485

Trichromacy



Original Color

16.8504, 28.5602, 9.1820



Protanomaly

20.8940, 27.3512, 8.1811



Deuteranomaly

22.2505, 27.0740, 9.3633



Tritanomaly

20.1069, 28.3125, 25.1740

Monochromacy



Original Color

16.8504, 28.5602, 9.1820



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.6021, 22.7187, 16.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8504, 28.5602, 9.1820 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(70, 165, 62)` looks like.

```
.text, #text, p{  
    color:rgb(70, 165, 62)  
}
```

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(70, 165, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 165, 62) }
```

Border

The CSS property to change the border of an element to XYZ 16.8504, 28.5602, 9.1820 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(70, 165, 62) }
```


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

```
.border{ border-color:rgb(70, 165, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 165, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 165, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 165, 62);  
box-shadow:4px 4px 4px 4px rgb(70, 165,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8504, 28.5602, 9.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 165, 62) }
```

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

```
.background{ background-color: rgb(70, 165,  
62) }
```

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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