

Converting Colors

XYZ(16.8054, 30.4898, 8.4371)

Have a look what the booklet for
XYZ(16.8054, 30.4898, 8.4371)
contains.

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Color

**XYZ(16.8346, 30.5015,
8.4901)**

Conversions

Conversions Part 1

Format	Color
Hex	34AC36
RGB	52, 172, 54
RGB Percent	20%, 67%, 21%
CMY	0.7961, 0.3255, 0.7882
CMYK	0.70, 0.00, 0.69, 0.33
HSL	121°, 54%, 44%
HSV	121°, 70%, 67%
XYZ	16.8346, 30.5015, 8.4901
YIQ	122.6680, -33.6420, -62.1380

Conversions

Conversions Part 2

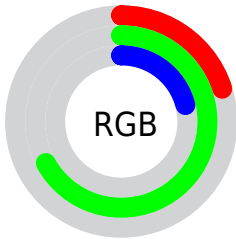
Format	Color
RYB	52, 170, 172
Decimal	3451958
CIELab	62.08, -55.77, 49.18
CIELCh	62, 74.364, 138.593
Yxy	30.5015, 0.3016, 0.5464
Android (android.graphics.Color)	4281642038 (0xFF34AC36)
YUV	122.6680, -33.8533, -61.9758
Hunter-Lab	55.2282, -42.2391, 29.5452

Details

The XYZ color **16.8346, 30.5015, 8.4901** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **25.4978, 14.1294, 39.4140**, and the grayscale version is **18.8340, 19.8148, 21.5783**.

A 20% lighter version of the original color is **37.4675, 60.1932, 23.5536**, and **6.4784, 12.9569, 2.1595** is the 20% darker color. If you saturate the color by 10%, you get **15.7749, 29.9943, 6.7158**, and if you desaturate by 10%, it is **18.3564, 31.2328, 11.0083**.

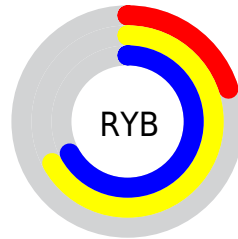
Distribution



Red (20%)

Green (67%)

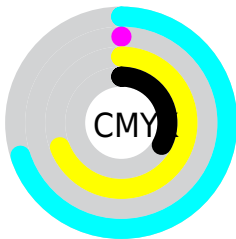
Blue (21%)



Red (20%)

Yellow (67%)

Blue (67%)

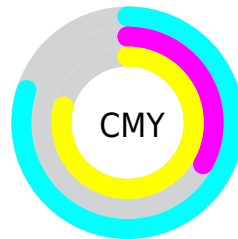


Cyan (70%)

Magenta (0%)

Yellow (69%)

Black (33%)



Cyan (80%)

Magenta (33%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8346, 30.5015, 8.4901 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 16.8346, 30.5015, 8.4901 by changing the saturation by 10% instead.

■ 16.8346, 30.5015,
8.4901

■ 16.8346, 30.5015,
8.4901

227.3923,
304.2351, 189.6030

■ 10.2112, 20.2196,
4.3179

■ 37.5870, 60.4544,
23.4756

■ 5.6026, 12.5547,
1.8013

■ 52.4468, 80.8941,
35.1260

■ 2.6433, 7.1227,
0.4288

■ 70.7827, 105.4885,
50.1062

■ 0.9681, 3.5389,
0.0000

■ 92.9602, 134.6220,
68.8347

■ 0.0000, 1.4191,
0.0000

■ 119.3445,
168.6791, 91.7301

■ 0.0000, 0.2308,
0.0000

■ 150.3011,

■ 0.0000, 0.0000,

208.0440, 119.2109

0.0000

186.1952,
253.1012, 151.6957

■ 16.8346, 30.5015,
8.4901

■ 16.8346, 30.5015,
8.4901

■ 15.7749, 29.9943,
6.7158

■ 18.3564, 31.2328,
11.0083

■ 15.1231, 29.6822,
5.6023

■ 20.3824, 32.2056,
14.3377

■ 14.7760, 29.5160,
5.0121

■ 22.9526, 33.4403,
18.5405

■ 14.7689, 29.5126,
5.0005

■ 26.1023, 34.9536,
23.6721

■ 29.8637, 36.7614,
29.7834

■ 34.2669, 38.8778,
36.9218

■ 39.3397, 41.3165,
45.1313

■ 45.1086, 44.0901,
54.4536

■ 51.5984, 47.2106,
64.9280

Harmonies

Analogous

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



23.2854, 30.5015, 3.5923



16.8346, 30.5015, 8.4901



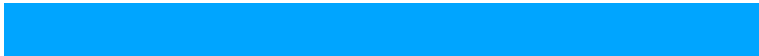
13.9393, 30.5015, 23.4722

Triad

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



16.8346, 30.5015, 8.4901



25.3539, 30.5015, 121.6385



51.2843, 30.5015, 18.5729

Complementary

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



16.8346, 30.5015, 8.4901



25.4978, 14.1294, 39.4140

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.



52.2014, 30.5015, 45.3279



16.8346, 30.5015, 8.4901



35.5594, 30.5015, 117.4459

Square

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



16.8346, 30.5015, 8.4901



18.0480, 30.5015, 93.9495



45.9237, 30.5015, 84.5279



43.6482, 30.5015, 6.6732

Rectangle

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



16.8346, 30.5015, 8.4901



13.8390, 30.5015, 42.1309



45.9237, 30.5015, 84.5279



52.4444, 30.5015, 25.6483

Sweetspot

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



16.8353, 30.5028, 8.4908



52.9998, 66.1230, 52.1219



31.9513, 38.3007, 8.9577



11.1104, 14.1741, 10.6653



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.



16.8353, 30.5028, 8.4908



27.8545, 54.0467, 10.8877



19.2068, 31.4514, 20.9787



7.9097, 8.9414, 8.5496



10.9920, 21.9621, 3.7319



0.3075, 0.6116, 0.1128

Inverse Universe

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



25.4978, 14.1294, 39.4140



44.5777, 22.4013, 70.5590



21.0566, 12.3530, 16.0270



8.3312, 8.1457, 10.0550



18.0012, 8.6630, 28.7153



0.5026, 0.2417, 0.8082

Previews

White Background



This preview shows how the XYZ color 16.8346, 30.5015, 8.4901 looks on a white background.

Color Contrast Check

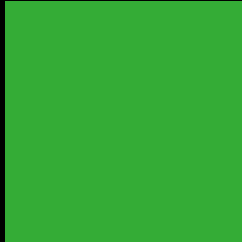
Large Text (above 18pt) WCAG AA × Fail

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 16.8346, 30.5015, 8.4901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

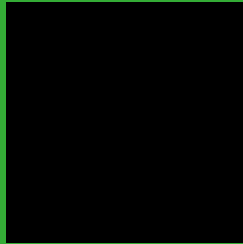
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8346, 30.5015, 8.4901

Background



This preview shows how black text looks on a background with the XYZ color 16.8346, 30.5015, 8.4901.



This preview shows how white text looks on a background with the XYZ color 16.8346, 30.5015,

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

16.8346, 30.5015, 8.4901

Protanopia

27.2173, 29.9238, 7.1377

Deuteranopia

30.6060, 30.0305, 9.0338



Tritanopia

24.1312, 30.4770, 44.6552

Trichromacy



Original Color

16.8346, 30.5015, 8.4901



Protanomaly

21.0901, 28.7042, 7.4465



Deuteranomaly

22.5234, 28.4271, 8.5748



Tritanomaly

20.2321, 29.9384, 25.8314

Monochromacy



Original Color

16.8346, 30.5015, 8.4901



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.6592, 22.4730, 15.0150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8346, 30.5015, 8.4901 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(52, 172, 54)` looks like.

```
.text, #text, p{  
    color:rgb(52, 172, 54)  
}
```

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(52, 172, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 172, 54) }
```

Border

The CSS property to change the border of an element to XYZ 16.8346, 30.5015, 8.4901 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(52, 172, 54) }
```


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

```
.border{ border-color:rgb(52, 172, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 172, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 172, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 172, 54);  
box-shadow:4px 4px 4px 4px rgb(52, 172,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8346, 30.5015, 8.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 172, 54) }
```

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

```
.background{ background-color: rgb(52, 172,  
54) }
```

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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