

Converting Colors

$Yxy(30.6277, 0.3117, 0.5907)$

Have a look what the booklet for
Yxy(30.6277, 0.3117, 0.5907)
contains.

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Color

Yxy(30.4680, 0.3116, 0.5908)

Conversions

Conversions Part 1

Format	Color
Hex	2EAD00
RGB	46, 173, 0
RGB Percent	18%, 68%, 0%
CMY	0.8197, 0.3215, 1.0000
CMYK	0.73, 0.00, 1.00, 0.32
HSL	104°, 100%, 34%
HSV	104°, 100%, 68%
XYZ	16.0694, 30.4680, 5.0333
YIQ	115.3050, -20.1590, -80.7270

Conversions

Conversions Part 2

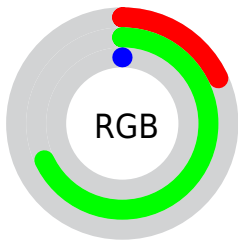
Format	Color
RYB	0, 173, 127
Decimal	3058944
CIELab	62.06, -59.97, 62.80
CIELCh	62, 86.836, 133.680
Yxy	30.4680, 0.3116, 0.5908
Android (android.graphics.Color)	4281249024 (0xFF2EAD00)
YUV	115.3050, -56.8454, -60.7805
Hunter-Lab	55.1978, -44.6305, 33.2320

Details

The Yxy color **30.4680, 0.3116, 0.5908** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.5314, 0.2548, 0.1177**, and the grayscale version is **17.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6123, 0.3207, 0.5344**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.4693, 0.3116, 0.5908**, and if you desaturate by 10%, it is **30.8505, 0.3159, 0.5789**.

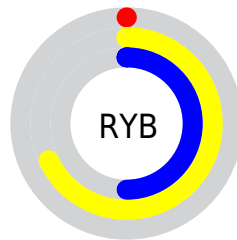
Distribution



Red (18%)

Green (68%)

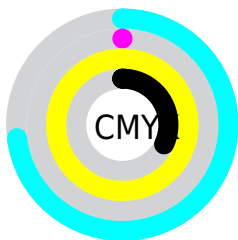
Blue (0%)



Red (0%)

Yellow (68%)

Blue (50%)

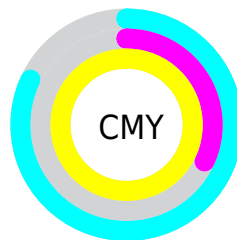


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (82%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4680, 0.3116, 0.5908 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 Yxy color 30.4680, 0.3116, 0.5908 by changing the saturation by 10% instead.


 30.4680, 0.3116,
0.5908


 30.4680, 0.3116,
0.5908


304.0799, 0.3250,
0.4431


 20.1941, 0.3014,
0.6298


 60.4015, 0.3210,
0.5345


 12.5362, 0.2838,
0.6794


 80.8299, 0.3230,
0.5139

 7.1100, 0.2542,
0.7458


 105.4119, 0.3242,
0.4969

 3.5310, 0.1953,
0.8047

 134.5319, 0.3249,
0.4826

 1.4148, 0.0000,
1.0000

 168.5743, 0.3251,
0.4705


 0.2276, 0.0000,
1.0000


 207.9235, 0.3252,


 0.0000, 0.0000,


0.4601

0.0000


 252.9639, 0.3252,
0.4510


 30.4680, 0.3116,
0.5908

 30.4680, 0.3116,
0.5908


 30.4693, 0.3116,
0.5908

 30.8505, 0.3159,
0.5789

 31.3621, 0.3196,
0.5610

 32.0248, 0.3223,
0.5368

 32.8509, 0.3236,
0.5079

 33.8514, 0.3237,
0.4761

■ 35.0362, 0.3227,
0.4436

■ 36.4143, 0.3208,
0.4117

■ 37.9943, 0.3184,
0.3816

■ 39.7840, 0.3157,
0.3540

Harmonies

Analogous

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



30.4680, 0.4268, 0.5425



30.4680, 0.3116, 0.5908



30.4680, 0.2021, 0.4995

Triad

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



30.4680, 0.3116, 0.5908



30.4680, 0.1188, 0.1567



30.4680, 0.5280, 0.2839

Complementary

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



30.4680, 0.3116, 0.5908



7.5314, 0.2548, 0.1177

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.



30.4680, 0.3978, 0.2155



30.4680, 0.3116, 0.5908



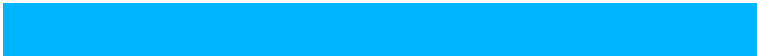
30.4680, 0.1664, 0.1465

Square

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



30.4680, 0.3116, 0.5908



30.4680, 0.1065, 0.2083



30.4680, 0.2596, 0.1670



30.4680, 0.5726, 0.3605

Rectangle

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



30.4680, 0.3116, 0.5908



30.4680, 0.1485, 0.3819



30.4680, 0.2596, 0.1670



30.4680, 0.4911, 0.2598

Sweetspot

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



30.4693, 0.3116, 0.5908



65.0742, 0.3210, 0.4133



24.0300, 0.4755, 0.4606



13.9162, 0.3218, 0.4262



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4693, 0.3116, 0.5908



54.4759, 0.3106, 0.5916



30.0447, 0.2926, 0.5733



9.0385, 0.3155, 0.3522



22.4074, 0.3122, 0.5903



0.6502, 0.3357, 0.5717

Inverse Universe

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



7.5314, 0.2548, 0.1177



13.3776, 0.2537, 0.1171



10.5682, 0.3900, 0.1922



8.0394, 0.3097, 0.3064



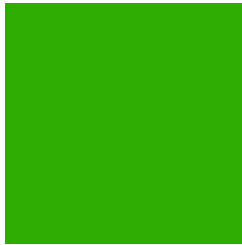
5.5615, 0.2555, 0.1181



0.1795, 0.2764, 0.1296

Previews

White Background



This preview shows how the Yxy color 30.4680, 0.3116, 0.5908 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 Yxy color 30.4680, 0.3116, 0.5908 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](#).

Yxy 30.4680, 0.3116, 0.5908

Background



This preview shows how black text looks on a background with the Yxy color 30.4680, 0.3116, 0.5908.



This preview shows how white text looks on a background with the Yxy color 30.4680, 0.3116, 0.5908.

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

30.4680, 0.3116, 0.5908

Protanopia

29.8197, 0.4405, 0.4884

Deuteranopia

29.7481, 0.4599, 0.4508



Tritanopia

30.4305, 0.2425, 0.3070

Trichromacy



Original Color

30.4680, 0.3116, 0.5908



Protanomaly

28.7388, 0.3822, 0.5348



Deuteranomaly

28.0827, 0.3952, 0.5112



Tritanomaly

29.3601, 0.2775, 0.4323

Monochromacy



Original Color

30.4680, 0.3116, 0.5908



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.2630, 0.3236, 0.4610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4680, 0.3116, 0.5908 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(46, 173, 0)` looks like.

```
.text, #text, p{  
  color:rgb(46, 173, 0)  
}
```

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(46, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.4680, 0.3116, 0.5908 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(46, 173, 0) }
```

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

```
.border{ border-color:rgb(46, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 173, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.4680, 0.3116, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 173, 0) }
```

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

```
.background{ background-color: rgb(46, 173,  
0) }
```

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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