

Converting Colors

$Y_{xy}(16.8266, 0.3232, 0.5895)$

Have a look what the booklet for
Yxy(16.8266, 0.3232, 0.5895)
contains.

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Color

Yxy(16.8369, 0.3216, 0.5829)

Conversions

Conversions Part 1

Format	Color
Hex	2F8300
RGB	47, 131, 0
RGB Percent	18%, 51%, 0%
CMY	0.8156, 0.4863, 1.0000
CMYK	0.64, 0.00, 1.00, 0.49
HSL	98°, 100%, 26%
HSV	98°, 100%, 51%
XYZ	9.2893, 16.8369, 2.7585
YIQ	90.9500, -8.0130, -58.5490

Conversions

Conversions Part 2

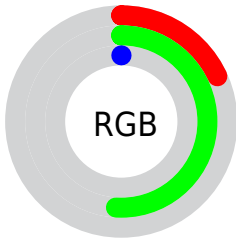
Format	Color
RYB	0, 131, 84
Decimal	3113728
CIELab	48.05, -45.78, 51.70
CIELCh	48, 69.055, 131.527
Yxy	16.8369, 0.3216, 0.5829
Android (android.graphics.Color)	4281303808 (0xFF2F8300)
YUV	90.9500, -44.8383, -38.5441
Hunter-Lab	41.0328, -31.3972, 24.7371

Details

The Yxy color **16.8369, 0.3216, 0.5829** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.5222, 0.2347, 0.1067**, and the grayscale version is **10.5573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0828, 0.3292, 0.5196**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.8377, 0.3216, 0.5829**, and if you desaturate by 10%, it is **17.0863, 0.3258, 0.5688**.

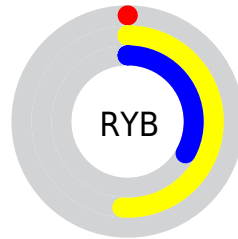
Distribution



Red (18%)

Green (51%)

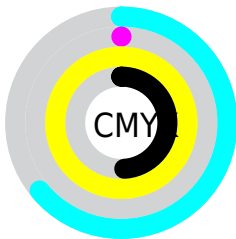
Blue (0%)



Red (0%)

Yellow (51%)

Blue (33%)

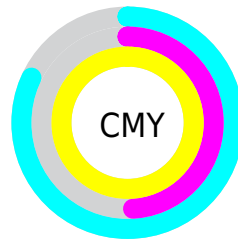


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (82%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8369, 0.3216, 0.5829 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 16.8369, 0.3216, 0.5829 by changing the saturation by 10% instead.

■ 16.8369, 0.3216,
0.5829

■ 16.8369, 0.3216,
0.5829

■ 234.2307, 0.3284,
0.4281

■ 10.1183, 0.3103,
0.6292

■ 38.0451, 0.3295,
0.5199

■ 5.4774, 0.2935,
0.7065

■ 53.3035, 0.3305,
0.4981

■ 2.5300, 0.2361,
0.7639

■ 72.1773, 0.3307,
0.4806

■ 0.8916, 0.0000,
1.0000


■ 95.0509, 0.3305,
0.4662


■ 0.0000, 0.0000,
0.0000

■ 122.3086, 0.3301,
0.4543

■ 154.3349, 0.3296,

0.4442

 191.5141, 0.3290,
0.4355

 16.8369, 0.3216,
0.5829


 16.8369, 0.3216,
0.5829


 16.8377, 0.3216,
0.5829

 17.0863, 0.3258,
0.5688

 17.3923, 0.3294,
0.5504

 17.7674, 0.3314,
0.5268

 18.2167, 0.3317,
0.4991

 18.7448, 0.3306,
0.4692

■ 19.3555, 0.3282,
0.4385

■ 20.0526, 0.3250,
0.4084

■ 20.8398, 0.3212,
0.3798

■ 21.7201, 0.3170,
0.3533

Harmonies

Analogous

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



16.8369, 0.4339, 0.5324



16.8369, 0.3216, 0.5829



16.8369, 0.2127, 0.5042

Triad

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



16.8369, 0.3216, 0.5829



16.8369, 0.1208, 0.1628



16.8369, 0.5147, 0.2806

Complementary

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



16.8369, 0.3216, 0.5829



3.5222, 0.2347, 0.1067

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.



16.8369, 0.3852, 0.2140



16.8369, 0.3216, 0.5829



16.8369, 0.1650, 0.1500

Square

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



16.8369, 0.3216, 0.5829



16.8369, 0.1111, 0.2178



16.8369, 0.2531, 0.1680



16.8369, 0.5662, 0.3560

Rectangle

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



16.8369, 0.3216, 0.5829



16.8369, 0.1575, 0.3929



16.8369, 0.2531, 0.1680



16.8369, 0.4770, 0.2569

Sweetspot

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



16.8377, 0.3216, 0.5829



35.8183, 0.3253, 0.4105



11.0068, 0.4995, 0.4416



8.2309, 0.3265, 0.4213



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.8377, 0.3216, 0.5829



30.0720, 0.3201, 0.5841



16.2746, 0.2962, 0.5864



5.2801, 0.3167, 0.3511



16.5755, 0.3216, 0.5828



0.0613, 0.3553, 0.5561

Inverse Universe

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



3.5222, 0.2347, 0.1067



6.2185, 0.2329, 0.1057



6.0296, 0.3566, 0.1738



4.6814, 0.3084, 0.3072



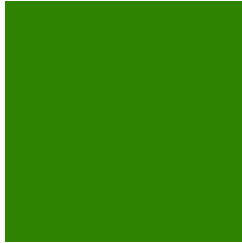
3.4685, 0.2348, 0.1067



0.0161, 0.2752, 0.1290

Previews

White Background



This preview shows how the Yxy color 16.8369, 0.3216, 0.5829 looks on a white 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

Black Background



This preview shows how the Yxy color 16.8369, 0.3216, 0.5829 looks on a black 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

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

Yxy 16.8369, 0.3216, 0.5829

Background



This preview shows how black text looks on a background with the Yxy color 16.8369, 0.3216, 0.5829.



This preview shows how white text looks on a background with the Yxy color 16.8369, 0.3216, 0.5829.

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

16.8369, 0.3216, 0.5829

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6486, 0.4571, 0.4503



Tritanopia

16.8871, 0.2486, 0.3076

Trichromacy



Original Color

16.8369, 0.3216, 0.5829

Protanomaly

16.0856, 0.3898, 0.5287

Deuteranomaly

15.7226, 0.4018, 0.5038

Tritanomaly

16.3315, 0.2858, 0.4273

Monochromacy



Original Color

16.8369, 0.3216, 0.5829

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.1094, 0.3290, 0.4518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8369, 0.3216, 0.5829 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(47, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 131, 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(47, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 131, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8369, 0.3216, 0.5829 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(47, 131, 0) }
```

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

```
.border{ border-color:rgb(47, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 131, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8369, 0.3216, 0.5829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 131, 0) }
```

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

```
.background{ background-color: rgb(47, 131,  
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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