

Converting Colors

$Y_{xy}(16.7825, 0.3043, 0.5966)$

Have a look what the booklet for
Yxy(16.7825, 0.3043, 0.5966)
contains.

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Color

Yxy(16.8942, 0.3043, 0.5966)

Conversions

Conversions Part 1

Format	Color
Hex	118500
RGB	17, 133, 0
RGB Percent	7%, 52%, 0%
CMY	0.9338, 0.4784, 1.0000
CMYK	0.87, 0.00, 1.00, 0.48
HSL	112°, 100%, 26%
HSV	112°, 100%, 52%
XYZ	8.6170, 16.8942, 2.8063
YIQ	83.1540, -26.4430, -65.9550

Conversions

Conversions Part 2

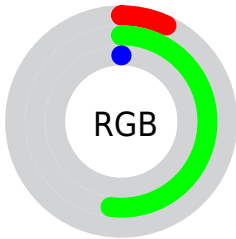
Format	Color
RYB	0, 133, 116
Decimal	1148160
CIELab	48.13, -51.79, 51.49
CIElCh	48, 73.027, 135.169
Yxy	16.8942, 0.3043, 0.5966
Android (android.graphics.Color)	4279338240 (0xFF118500)
YUV	83.1540, -40.9949, -58.0171
Hunter-Lab	41.1026, -34.5076, 24.7238

Details

The Yxy color **16.8942, 0.3043, 0.5966** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.4154, 0.2899, 0.1371**, and the grayscale version is **8.7655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9970, 0.3165, 0.5286**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.8949, 0.3043, 0.5966**, and if you desaturate by 10%, it is **17.0606, 0.3064, 0.5837**.

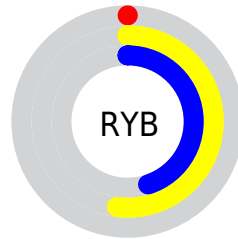
Distribution



Red (7%)

Green (52%)

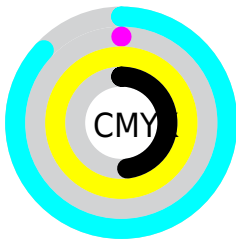
Blue (0%)



Red (0%)

Yellow (52%)

Blue (45%)

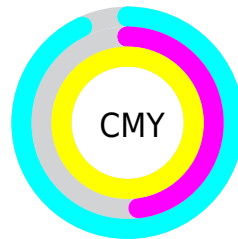


Cyan (87%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (93%)


Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8942, 0.3043, 0.5966 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 16.8942, 0.3043, 0.5966 by changing the saturation by 10% instead.


 16.8942, 0.3043,
0.5966


 16.8942, 0.3043,
0.5966


234.5619, 0.3217,
0.4318


 10.1591, 0.2896,
0.6470


 38.1438, 0.3166,
0.5289


 5.5046, 0.2681,
0.7319

 53.4270, 0.3191,
0.5057

 2.5462, 0.2016,
0.7984

 72.3285, 0.3205,
0.4871

 0.8997, 0.0000,
1.0000


 95.2325, 0.3213,
0.4719


 0.0000, 0.0000,
0.0000

 122.5234, 0.3217,
0.4593


 154.5857, 0.3218,

0.4487

 191.8038, 0.3218,
0.4396

 16.8942, 0.3043,
0.5966


 16.8942, 0.3043,
0.5966

 16.8949, 0.3043,
0.5966

 17.0606, 0.3064,
0.5837

 17.3074, 0.3089,
0.5652

 17.6520, 0.3111,
0.5399

 18.1034, 0.3128,
0.5098

 18.6697, 0.3138,
0.4770

■ 19.3581, 0.3143,
0.4436

■ 20.1751, 0.3144,
0.4112

■ 21.1269, 0.3141,
0.3810

■ 22.2193, 0.3135,
0.3535

Harmonies

Analogous

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



16.8942, 0.4216, 0.5499



16.8942, 0.3043, 0.5966



16.8942, 0.1945, 0.4958

Triad

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



16.8942, 0.3043, 0.5966



16.8942, 0.1174, 0.1524



16.8942, 0.5376, 0.2861

Complementary

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



16.8942, 0.3043, 0.5966



5.4154, 0.2899, 0.1371

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.



16.8942, 0.4070, 0.2164



16.8942, 0.3043, 0.5966



16.8942, 0.1673, 0.1440

Square

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



16.8942, 0.3043, 0.5966



16.8942, 0.1033, 0.2016



16.8942, 0.2643, 0.1661



16.8942, 0.5769, 0.3636

Rectangle

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



16.8942, 0.3043, 0.5966



16.8942, 0.1421, 0.3738



16.8942, 0.2643, 0.1661



16.8942, 0.5013, 0.2617

Sweetspot

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



16.8949, 0.3043, 0.5966



36.0184, 0.3144, 0.4134



17.3108, 0.4442, 0.4855



7.9920, 0.3144, 0.4248



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.



16.8949, 0.3043, 0.5966



30.2114, 0.3035, 0.5972



16.9967, 0.2826, 0.5375



5.2310, 0.3134, 0.3513



16.0932, 0.3044, 0.5965



0.0574, 0.3218, 0.5827

Inverse Universe

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



5.4154, 0.2899, 0.1371



9.6498, 0.2892, 0.1367



5.6309, 0.4366, 0.2179



4.7337, 0.3118, 0.3075



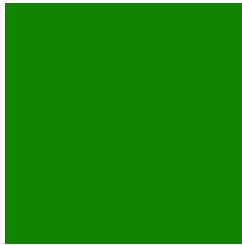
5.1601, 0.2900, 0.1371



0.0200, 0.3061, 0.1460

Previews

White Background



This preview shows how the Yxy color 16.8942, 0.3043, 0.5966 looks on a white background.

Color Contrast Check

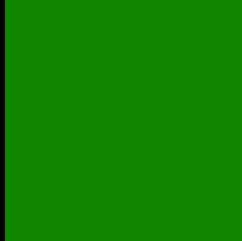
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8942, 0.3043, 0.5966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

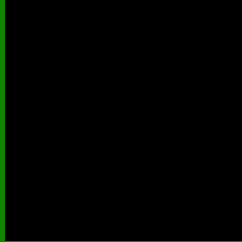
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8942, 0.3043, 0.5966

Background



This preview shows how black text looks on a background with the Yxy color 16.8942, 0.3043, 0.5966.



This preview shows how white text looks on a background with the Yxy color 16.8942, 0.3043, 0.5966.

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

16.8942, 0.3043, 0.5966

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6535, 0.4565, 0.4495



Tritanopia

17.0361, 0.2391, 0.3073

Trichromacy



Original Color

16.8942, 0.3043, 0.5966



Protanomaly

15.7495, 0.3735, 0.5416



Deuteranomaly

15.3076, 0.3847, 0.5166



Tritanomaly

16.3482, 0.2706, 0.4327

Monochromacy



Original Color

16.8942, 0.3043, 0.5966



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

10.4942, 0.3140, 0.4641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8942, 0.3043, 0.5966 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(17, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(17, 133, 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(17, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8942, 0.3043, 0.5966 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(17, 133, 0) }
```

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

```
.border{ border-color:rgb(17, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(17, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(17, 133, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8942, 0.3043, 0.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 133, 0) }
```

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

```
.background{ background-color: rgb(17, 133,  
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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