

Converting Colors

$Y_{xy}(16.8983, 0.2889, 0.5501)$

Have a look what the booklet for
Yxy(16.8983, 0.2889, 0.5501)
contains.

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Color

Yxy(17.0068, 0.2886, 0.5497)

Conversions

Conversions Part 1

Format	Color
Hex	0A852A
RGB	10, 133, 42
RGB Percent	4%, 52%, 16%
CMY	0.9616, 0.4784, 0.8353
CMYK	0.93, 0.00, 0.68, 0.48
HSL	136°, 86%, 28%
HSV	136°, 93%, 52%
XYZ	8.9288, 17.0068, 5.0027
YIQ	85.8490, -44.0970, -54.3770

Conversions

Conversions Part 2

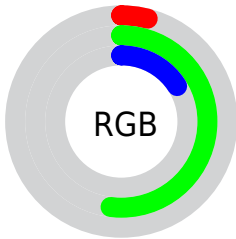
Format	Color
RYB	10, 108, 133
Decimal	689450
CIELab	48.27, -49.73, 39.18
CIELCh	48, 63.303, 141.768
Yxy	17.0068, 0.2886, 0.5497
Android (android.graphics.Color)	4278879530 (0xFF0A852A)
YUV	85.8490, -21.6176, -66.5196
Hunter-Lab	41.2393, -33.5214, 21.6751

Details

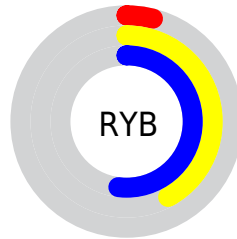
The Yxy color **17.0068, 0.2886, 0.5497** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1356, 0.3902, 0.1975**, and the grayscale version is **9.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1982, 0.3001, 0.4908**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.8970, 0.2900, 0.5640**, and if you desaturate by 10%, it is **17.2068, 0.2869, 0.5274**.

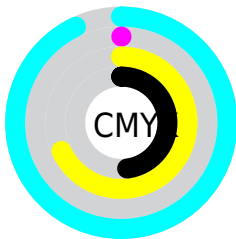
Distribution



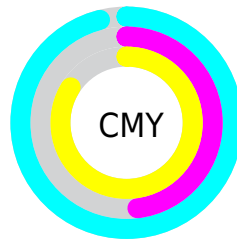
- Red (4%)
- Green (52%)
- Blue (16%)



- Red (4%)
- Yellow (42%)
- Blue (52%)



- Cyan (93%)
- Magenta (0%)
- Yellow (68%)
- Black (48%)




- Cyan (96%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0068, 0.2886, 0.5497 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 17.0068, 0.2886, 0.5497 by changing the saturation by 10% instead.


 17.0068, 0.2886,
0.5497


 17.0068, 0.2886,
0.5497


235.2116, 0.3101,
0.4119


 10.2393, 0.2766,
0.5960


 38.3375, 0.3003,
0.4913


 5.5579, 0.2554,
0.6647

 53.6695, 0.3033,
0.4720


 2.5782, 0.2155,
0.7845

 72.6251, 0.3054,
0.4567

 0.9157, 0.0000,
1.0000

 95.5887, 0.3069,
0.4443

 0.0000, 0.0000,
0.0000

 122.9448, 0.3080,
0.4341

 155.0777, 0.3089,

0.4255

192.3718, 0.3095,
0.4182

■ 17.0068, 0.2886,
0.5497

■ 17.0068, 0.2886,
0.5497

■ 16.8970, 0.2900,
0.5640

■ 17.2068, 0.2869,
0.5274

■ 17.5034, 0.2866,
0.5022

■ 17.9087, 0.2878,
0.4753

■ 18.4325, 0.2901,
0.4480

■ 19.0835, 0.2934,
0.4215

■ 19.8695, 0.2975,
0.3964

■ 20.7977, 0.3020,
0.3732

■ 21.8748, 0.3067,
0.3523

■ 23.1070, 0.3115,
0.3336

Harmonies

Analogous

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



17.0068, 0.3958, 0.5431



17.0068, 0.2886, 0.5497



17.0068, 0.1929, 0.4380

Triad

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



17.0068, 0.2886, 0.5497



17.0068, 0.1425, 0.1656



17.0068, 0.5248, 0.3100

Complementary

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



17.0068, 0.2886, 0.5497



6.1356, 0.3902, 0.1975

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.



17.0068, 0.4242, 0.2421



17.0068, 0.2886, 0.5497



17.0068, 0.1983, 0.1635

Square

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



17.0068, 0.2886, 0.5497



17.0068, 0.1225, 0.2036



17.0068, 0.2965, 0.1901



17.0068, 0.5445, 0.3852

Rectangle

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



17.0068, 0.2886, 0.5497



17.0068, 0.1502, 0.3378



17.0068, 0.2965, 0.1901



17.0068, 0.4987, 0.2863

Sweetspot

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



17.0075, 0.2886, 0.5497



36.2110, 0.2992, 0.3869



19.6353, 0.3777, 0.5319



8.0251, 0.2976, 0.3957



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.



17.0075, 0.2886, 0.5497



30.2328, 0.2910, 0.5676



17.8037, 0.2470, 0.4027



5.2233, 0.3084, 0.3454



16.0940, 0.2899, 0.5636



0.0568, 0.2687, 0.4873

Inverse Universe

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



6.1356, 0.3902, 0.1975



10.4904, 0.3999, 0.1977



5.3572, 0.5624, 0.2961



4.7426, 0.3174, 0.3131



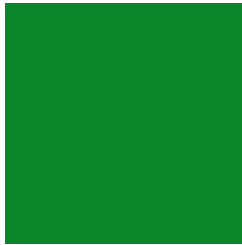
5.5954, 0.3977, 0.1964



0.0206, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 17.0068, 0.2886, 0.5497 looks on a white background.

Color Contrast Check

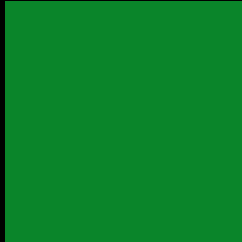
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0068, 0.2886, 0.5497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

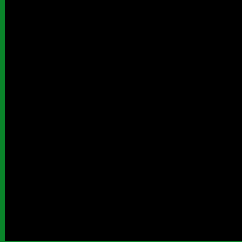
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0068, 0.2886, 0.5497

Background



This preview shows how black text looks on a background with the Yxy color 17.0068, 0.2886, 0.5497.



This preview shows how white text looks on a background with the Yxy color 17.0068, 0.2886, 0.5497.

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

17.0068, 0.2886, 0.5497

Protanopia

16.7574, 0.4215, 0.4630

Deuteranopia

16.6181, 0.4353, 0.4275



Tritanopia

16.9488, 0.2372, 0.3072

Trichromacy



Original Color

17.0068, 0.2886, 0.5497



Protanomaly

15.7525, 0.3523, 0.5068



Deuteranomaly

15.2550, 0.3595, 0.4816



Tritanomaly

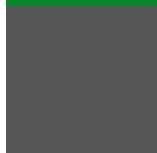
16.5497, 0.2550, 0.3916

Monochromacy



Original Color

17.0068, 0.2886, 0.5497



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.0422, 0.2932, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0068, 0.2886, 0.5497 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(10, 133, 42)` looks like.

```
.text, #text, p{  
    color:rgb(10, 133, 42)  
}
```

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(10, 133, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 133, 42) }
```

Border

The CSS property to change the border of an element to Yxy 17.0068, 0.2886, 0.5497 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(10, 133, 42) }
```

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

```
.border{ border-color:rgb(10, 133, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 133, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 133, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 133, 42);  
box-shadow:4px 4px 4px 4px rgb(10, 133,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0068, 0.2886, 0.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 133, 42) }
```

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

```
.background{ background-color: rgb(10, 133,  
42) }
```

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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