

Converting Colors

$Y_{xy}(14.6119, 0.1733, 0.5875)$

Have a look what the booklet for
Yxy(14.6119, 0.1733, 0.5875)
contains.

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Color

Yxy(17.0321, 0.2801, 0.5283)

Conversions

Conversions Part 1

Format	Color
Hex	008535
RGB	0, 133, 53
RGB Percent	0%, 52%, 21%
CMY	0.9998, 0.4784, 0.7922
CMYK	1.00, 0.00, 0.60, 0.48
HSL	144°, 100%, 26%
HSV	144°, 100%, 52%
XYZ	9.0303, 17.0321, 6.1771
YIQ	84.1130, -53.5880, -53.0760

Conversions

Conversions Part 2

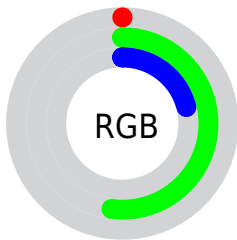
Format	Color
RYB	0, 95, 133
Decimal	34101
CIELab	48.30, -49.01, 34.01
CIELCh	48, 59.653, 145.236
Yxy	17.0321, 0.2801, 0.5283
Android (android.graphics.Color)	4278224181 (0xFF008535)
YUV	84.1130, -15.3387, -73.7671
Hunter-Lab	41.2700, -33.1649, 20.0148

Details

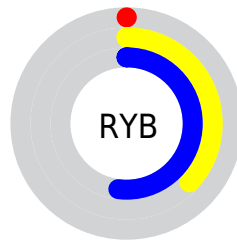
The Yxy color **17.0321, 0.2801, 0.5283** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.5684, 0.4488, 0.2246**, and the grayscale version is **8.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2493, 0.2926, 0.4750**, and **6.0412, 0.2984, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **17.0321, 0.2801, 0.5284**, and if you desaturate by 10%, it is **17.2006, 0.2778, 0.5083**.

Distribution



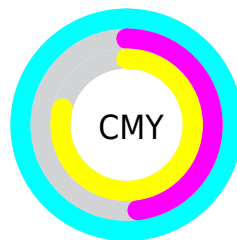
- Red (0%)
- Green (52%)
- Blue (21%)



- Red (0%)
- Yellow (37%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (79%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0321, 0.2801, 0.5283 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 17.0321, 0.2801, 0.5283 by changing the saturation by 10% instead.


 17.0321, 0.2801,
0.5283


 17.0321, 0.2801,
0.5283


235.3573, 0.3049,
0.4036


 10.2574, 0.2683,
0.5712


 38.3810, 0.2924,
0.4751

 5.5699, 0.2477,
0.6344

 53.7239, 0.2959,
0.4577

 2.5854, 0.2200,
0.7800

 72.6917, 0.2984,
0.4439

 0.9193, 0.0000,
1.0000

 95.6687, 0.3004,
0.4327

 0.0000, 0.0000,
0.0000

 123.0394, 0.3019,
0.4235

 155.1881, 0.3031,

0.4158

192.4993, 0.3041,
0.4092

■ 17.0321, 0.2801,
0.5283

■ 17.0321, 0.2801,
0.5283

■ 17.0321, 0.2801,
0.5284

■ 17.2006, 0.2778,
0.5083

■ 17.4335, 0.2766,
0.4868

■ 17.7617, 0.2771,
0.4643

■ 18.1955, 0.2793,
0.4416

■ 18.7439, 0.2830,
0.4193

■ 19.4149, 0.2877,
0.3981

■ 20.2158, 0.2934,
0.3783

■ 21.1531, 0.2996,
0.3601

■ 22.2332, 0.3061,
0.3436

Harmonies

Analogous

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



17.0321, 0.3830, 0.5378



17.0321, 0.2801, 0.5283



17.0321, 0.1912, 0.4149

Triad

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



17.0321, 0.2801, 0.5283



17.0321, 0.1540, 0.1710



17.0321, 0.5196, 0.3206

Complementary

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



17.0321, 0.2801, 0.5283



5.5684, 0.4488, 0.2246

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.



17.0321, 0.4317, 0.2535



17.0321, 0.2801, 0.5283



17.0321, 0.2127, 0.1720

Square

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



17.0321, 0.2801, 0.5283



17.0321, 0.1308, 0.2038



17.0321, 0.3111, 0.2008



17.0321, 0.5308, 0.3946

Rectangle

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



17.0321, 0.2801, 0.5283



17.0321, 0.1529, 0.3234



17.0321, 0.3111, 0.2008



17.0321, 0.4978, 0.2973

Sweetspot

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



17.0328, 0.2801, 0.5283



36.0889, 0.2929, 0.3796



18.5714, 0.3554, 0.5560



8.0103, 0.2909, 0.3866



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.



17.0328, 0.2801, 0.5283



30.4708, 0.2812, 0.5324



18.0719, 0.2346, 0.3647



5.2332, 0.3067, 0.3424



16.2244, 0.2800, 0.5280



0.0576, 0.2570, 0.4452

Inverse Universe

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



5.5684, 0.4488, 0.2246



9.9370, 0.4525, 0.2266



5.0242, 0.6212, 0.3197



4.7323, 0.3193, 0.3160



5.3039, 0.4486, 0.2245



0.0198, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 17.0321, 0.2801, 0.5283 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 17.0321, 0.2801, 0.5283 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 17.0321, 0.2801, 0.5283

Background



This preview shows how black text looks on a background with the Yxy color 17.0321, 0.2801, 0.5283.



This preview shows how white text looks on a background with the Yxy color 17.0321, 0.2801, 0.5283.

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

17.0321, 0.2801, 0.5283

Protanopia

16.7519, 0.4114, 0.4509

Deuteranopia

16.8390, 0.4216, 0.4151



Tritanopia

17.1734, 0.2357, 0.3073

Trichromacy



Original Color

17.0321, 0.2801, 0.5283



Protanomaly

15.6458, 0.3393, 0.4922



Deuteranomaly

15.3761, 0.3440, 0.4666



Tritanomaly

16.7983, 0.2498, 0.3839

Monochromacy



Original Color

17.0321, 0.2801, 0.5283



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.7407, 0.2839, 0.4108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0321, 0.2801, 0.5283 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(0, 133, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 53)  
}
```

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(0, 133, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 53) }
```

Border

The CSS property to change the border of an element to Yxy 17.0321, 0.2801, 0.5283 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(0, 133, 53) }
```

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

```
.border{ border-color:rgb(0, 133, 53) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0321, 0.2801, 0.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 53) }
```

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

```
.background{ background-color: rgb(0, 133,  
53) }
```

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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