

Converting Colors

$Yxy(16.0114, 0.2820, 0.5352)$

Have a look what the booklet for
Yxy(16.0114, 0.2820, 0.5352)
contains.

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Color

Yxy(15.9139, 0.2821, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	008130
RGB	0, 129, 48
RGB Percent	0%, 51%, 19%
CMY	0.9994, 0.4941, 0.8118
CMYK	1.00, 0.00, 0.63, 0.49
HSL	142°, 100%, 25%
HSV	142°, 100%, 51%
XYZ	8.3850, 15.9139, 5.4245
YIQ	81.1950, -50.8830, -52.5390

Conversions

Conversions Part 2

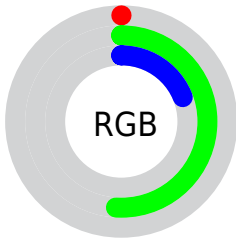
Format	Color
RYB	0, 94, 129
Decimal	33072
CIELab	46.86, -48.37, 34.79
CIELCh	47, 59.583, 144.276
Yxy	15.9139, 0.2821, 0.5354
Android (android.graphics.Color)	4278223152 (0xFF008130)
YUV	81.1950, -16.3651, -71.2080
Hunter-Lab	39.8922, -32.2924, 19.8623

Details

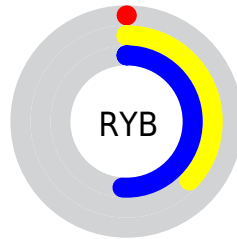
The Yxy color **15.9139, 0.2821, 0.5354** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.2671, 0.4378, 0.2186**, and the grayscale version is **8.3191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4355, 0.2947, 0.4794**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.9127, 0.2821, 0.5356**, and if you desaturate by 10%, it is **16.0727, 0.2799, 0.5151**.

Distribution



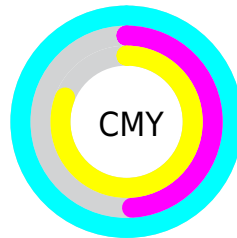
- Red (0%)
- Green (51%)
- Blue (19%)



- Red (0%)
- Yellow (37%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9139, 0.2821, 0.5354 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 15.9139, 0.2821, 0.5354 by changing the saturation by 10% instead.


 15.9139, 0.2821,
0.5354


 15.9139, 0.2821,
0.5354


228.8331, 0.3063,
0.4052

 9.4632, 0.2698,
0.5808


 36.4487, 0.2945,
0.4795


 5.0446, 0.2479,
0.6485

 51.3016, 0.2979,
0.4613


 2.2734, 0.2070,
0.7930

 69.7240, 0.3004,
0.4469

 0.7596, 0.0000,
1.0000

 92.1004, 0.3022,
0.4353

 0.0000, 0.0000,
0.0000

 118.8151, 0.3036,
0.4258

 150.2525, 0.3047,

0.4178

186.7971, 0.3056,
0.4110

■ 15.9139, 0.2821,
0.5354

■ 15.9139, 0.2821,
0.5354

■ 15.9127, 0.2821,
0.5356

■ 16.0727, 0.2799,
0.5151

■ 16.2919, 0.2786,
0.4931

■ 16.6009, 0.2791,
0.4698

■ 17.0095, 0.2812,
0.4462

■ 17.5260, 0.2846,
0.4230

■ 18.1579, 0.2892,
0.4009

■ 18.9120, 0.2945,
0.3802

■ 19.7945, 0.3004,
0.3613

■ 20.8111, 0.3065,
0.3441

Harmonies

Analogous

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



15.9139, 0.3865, 0.5404



15.9139, 0.2821, 0.5354



15.9139, 0.1910, 0.4215

Triad

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



15.9139, 0.2821, 0.5354



15.9139, 0.1502, 0.1689



15.9139, 0.5221, 0.3175

Complementary

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



15.9139, 0.2821, 0.5354



5.2671, 0.4378, 0.2186

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.



15.9139, 0.4303, 0.2501



15.9139, 0.2821, 0.5354



15.9139, 0.2083, 0.1690

Square

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



15.9139, 0.2821, 0.5354



15.9139, 0.1278, 0.2031



15.9139, 0.3071, 0.1974



15.9139, 0.5354, 0.3921

Rectangle

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



15.9139, 0.2821, 0.5354



15.9139, 0.1515, 0.3271



15.9139, 0.3071, 0.1974



15.9139, 0.4990, 0.2941

Sweetspot

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



15.9146, 0.2821, 0.5354



33.7478, 0.2940, 0.3819



17.4836, 0.3582, 0.5537



7.5271, 0.2921, 0.3890



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.9146, 0.2821, 0.5354



28.4692, 0.2833, 0.5398



16.8671, 0.2361, 0.3699



4.8431, 0.3070, 0.3429



15.5161, 0.2821, 0.5354



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2671, 0.4378, 0.2186



9.3947, 0.4413, 0.2205



4.7120, 0.6171, 0.3175



4.3862, 0.3189, 0.3155



5.1322, 0.4378, 0.2185



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9139, 0.2821, 0.5354 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 15.9139, 0.2821, 0.5354 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 15.9139, 0.2821, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 15.9139, 0.2821, 0.5354.



This preview shows how white text looks on a background with the Yxy color 15.9139, 0.2821, 0.5354.

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

15.9139, 0.2821, 0.5354

Protanopia

15.7543, 0.4128, 0.4551

Deuteranopia

15.6132, 0.4261, 0.4186



Tritanopia

16.0435, 0.2361, 0.3067

Trichromacy



Original Color

15.9139, 0.2821, 0.5354



Protanomaly

14.7660, 0.3403, 0.4978



Deuteranomaly

14.3088, 0.3484, 0.4718



Tritanomaly

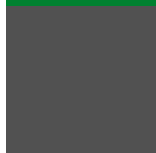
15.6782, 0.2504, 0.3856

Monochromacy



Original Color

15.9139, 0.2821, 0.5354



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

9.8951, 0.2866, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9139, 0.2821, 0.5354 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, 129, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 48)  
}
```

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, 129, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 48) }
```

Border

The CSS property to change the border of an element to Yxy 15.9139, 0.2821, 0.5354 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, 129, 48) }
```

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

```
.border{ border-color:rgb(0, 129, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9139, 0.2821, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 48) }
```

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

```
.background{ background-color: rgb(0, 129,  
48) }
```

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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