

Converting Colors

$Y_{xy}(16.0195, 0.2802, 0.5759)$

Have a look what the booklet for
Yxy(16.0195, 0.2802, 0.5759)
contains.

Yxy(16.3315, 0.2914, 0.5690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.3315, 0.2914, 0.5690)

Conversions

Conversions Part 1

Format	Color
Hex	00831F
RGB	0, 131, 31
RGB Percent	0%, 51%, 12%
CMY	0.9999, 0.4863, 0.8785
CMYK	1.00, 0.00, 0.76, 0.49
HSL	134°, 100%, 26%
HSV	134°, 100%, 51%
XYZ	8.3638, 16.3315, 4.0068
YIQ	80.4310, -45.9760, -58.8720

Conversions

Conversions Part 2

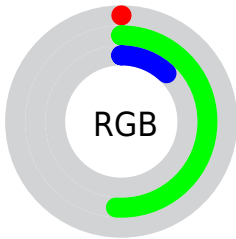
Format	Color
RYB	0, 106, 131
Decimal	33567
CIELab	47.41, -50.91, 42.80
CIELCh	47, 66.508, 139.947
Yxy	16.3315, 0.2914, 0.5690
Android (android.graphics.Color)	4278223647 (0xFF00831F)
YUV	80.4310, -24.3695, -70.5380
Hunter-Lab	40.4123, -33.7787, 22.4101

Details

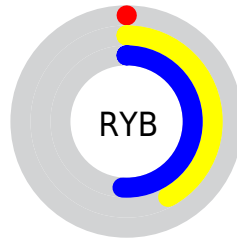
The Yxy color **16.3315, 0.2914, 0.5690** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.7473, 0.3891, 0.1917**, and the grayscale version is **8.1684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0565, 0.3038, 0.5057**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.3318, 0.2914, 0.5690**, and if you desaturate by 10%, it is **16.4797, 0.2896, 0.5496**.

Distribution



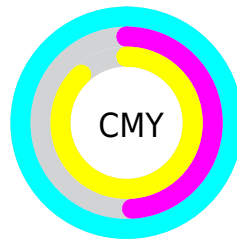
- Red (0%)
- Green (51%)
- Blue (12%)



- Red (0%)
- Yellow (42%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3315, 0.2914, 0.5690 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 16.3315, 0.2914, 0.5690 by changing the saturation by 10% instead.


 16.3315, 0.2914,
0.5690


 16.3315, 0.2914,
0.5690


231.2900, 0.3129,
0.4187


 9.7590, 0.2779,
0.6188


 37.1728, 0.3039,
0.5054


 5.2395, 0.2571,
0.7013

 52.2103, 0.3069,
0.4844

 2.3885, 0.1978,
0.8022

 70.8384, 0.3089,
0.4676

 0.8199, 0.0000,
1.0000

 93.4414, 0.3103,
0.4541


 0.0000, 0.0000,
0.0000


 120.4036, 0.3113,
0.4429


 152.1095, 0.3120,

0.4335


 188.9435, 0.3125,
0.4255


 16.3315, 0.2914,
0.5690


 16.3315, 0.2914,
0.5690


 16.3318, 0.2914,
0.5690

 16.4797, 0.2896,
0.5496

 16.6948, 0.2884,
0.5264

 17.0080, 0.2885,
0.5003

 17.4298, 0.2899,
0.4725

 17.9696, 0.2924,
0.4446

■ 18.6354, 0.2957,
0.4175

■ 19.4349, 0.2996,
0.3920

■ 20.3747, 0.3039,
0.3687

■ 21.4615, 0.3083,
0.3477

Harmonies

Analogous

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



16.3315, 0.4030, 0.5500



16.3315, 0.2914, 0.5690



16.3315, 0.1903, 0.4555

Triad

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



16.3315, 0.2914, 0.5690



16.3315, 0.1327, 0.1591



16.3315, 0.5335, 0.3026

Complementary

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



16.3315, 0.2914, 0.5690



5.7473, 0.3891, 0.1917

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.



16.3315, 0.4226, 0.2334



16.3315, 0.2914, 0.5690



16.3315, 0.1876, 0.1554

Square

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



16.3315, 0.2914, 0.5690



16.3315, 0.1141, 0.2001



16.3315, 0.2874, 0.1812



16.3315, 0.5577, 0.3793

Rectangle

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



16.3315, 0.2914, 0.5690



16.3315, 0.1447, 0.3464



16.3315, 0.2874, 0.1812



16.3315, 0.5042, 0.2785

Sweetspot

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



16.3322, 0.2914, 0.5690



34.6913, 0.2993, 0.3938



18.9678, 0.3797, 0.5367



7.9514, 0.2979, 0.4028



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.



16.3322, 0.2914, 0.5690



29.2250, 0.2924, 0.5725



17.0793, 0.2486, 0.4150



5.2215, 0.3087, 0.3460



16.0761, 0.2914, 0.5689



0.0567, 0.2711, 0.4960

Inverse Universe

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



5.7473, 0.3891, 0.1917



10.2655, 0.3910, 0.1928



4.9474, 0.5806, 0.2973



4.7445, 0.3170, 0.3126



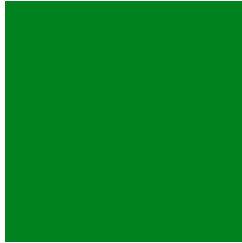
5.6567, 0.3891, 0.1917



0.0207, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 16.3315, 0.2914, 0.5690 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



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 16.3315, 0.2914, 0.5690

Background



This preview shows how black text looks on a background with the Yxy color 16.3315, 0.2914, 0.5690.



This preview shows how white text looks on a background with the Yxy color 16.3315, 0.2914, 0.5690.

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

16.3315, 0.2914, 0.5690

Protanopia

16.0985, 0.4290, 0.4735

Deuteranopia

16.0436, 0.4455, 0.4366



Tritanopia

16.3693, 0.2371, 0.3069

Trichromacy



Original Color

16.3315, 0.2914, 0.5690



Protanomaly

14.9830, 0.3542, 0.5247



Deuteranomaly

14.5189, 0.3638, 0.4990



Tritanomaly

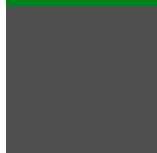
15.8335, 0.2563, 0.4035

Monochromacy



Original Color

16.3315, 0.2914, 0.5690



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.9753, 0.2937, 0.4375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3315, 0.2914, 0.5690 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, 131, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 31)  
}
```

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, 131, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 31) }
```

Border

The CSS property to change the border of an element to Yxy 16.3315, 0.2914, 0.5690 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, 131, 31) }
```

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

```
.border{ border-color:rgb(0, 131, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 31);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3315, 0.2914, 0.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 31) }
```

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

```
.background{ background-color: rgb(0, 131,  
31) }
```

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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