

Converting Colors

$Y_{xy}(16.0410, 0.3192, 0.5568)$

Have a look what the booklet for
Yxy(16.0410, 0.3192, 0.5568)
contains.

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Color

Yxy(15.9571, 0.3188, 0.5565)

Conversions

Conversions Part 1

Format	Color
Hex	337F1A
RGB	51, 127, 26
RGB Percent	20%, 50%, 10%
CMY	0.8000, 0.5020, 0.8980
CMYK	0.60, 0.00, 0.80, 0.50
HSL	105°, 66%, 30%
HSV	105°, 80%, 50%
XYZ	9.1413, 15.9571, 3.5757
YIQ	92.7620, -12.8750, -47.5230

Conversions

Conversions Part 2

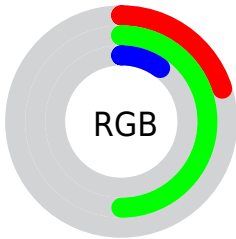
Format	Color
R_{YB}	26, 127, 102
Decimal	3374874
CIE _{Lab}	46.92, -42.12, 44.43
CIE _{LCh}	47, 61.221, 133.466
Yxy	15.9571, 0.3188, 0.5565
Android (android.graphics.Color)	4281564954 (0xFF337F1A)
YUV	92.7620, -32.9137, -36.6253
Hunter-Lab	39.9463, -29.0583, 22.6553

Details

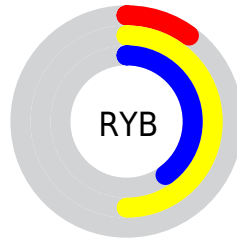
The Yxy color **15.9571, 0.3188, 0.5565** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.0964, 0.2740, 0.1443**, and the grayscale version is **10.9691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7236, 0.3251, 0.4982**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.6898, 0.3154, 0.5757**, and if you desaturate by 10%, it is **16.3020, 0.3211, 0.5315**.

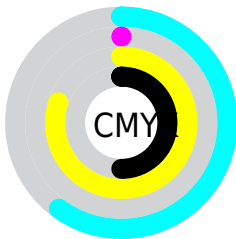
Distribution



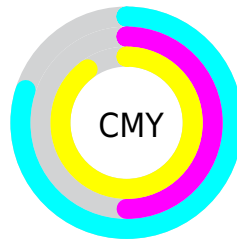
- Red (20%)
- Green (50%)
- Blue (10%)



- Red (10%)
- Yellow (50%)
- Blue (40%)



- Cyan (60%)
- Magenta (0%)
- Yellow (80%)
- Black (50%)





- Cyan (80%)
- Magenta (50%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9571, 0.3188, 0.5565 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 15.9571, 0.3188, 0.5565 by changing the saturation by 10% instead.


 15.9571, 0.3188,
0.5565


 15.9571, 0.3188,
0.5565


229.0884, 0.3241,
0.4157


 9.4938, 0.3100,
0.6016


 36.5237, 0.3248,
0.4978


 5.0646, 0.2989,
0.6825

 51.3958, 0.3256,
0.4780


 2.2852, 0.2476,
0.7524

 69.8396, 0.3257,
0.4623

 0.7659, 0.0000,
1.0000


 92.2396, 0.3256,
0.4494


 0.0000, 0.0000,
0.0000


 118.9800, 0.3253,
0.4388


 150.4454, 0.3249,


0.4299


 187.0201, 0.3245,
0.4223


 15.9571, 0.3188,
0.5565

 15.9571, 0.3188,
0.5565


 15.6898, 0.3154,
0.5757

 16.3020, 0.3211,
0.5315


 15.4859, 0.3119,
0.5900

 16.7283, 0.3222,
0.5023

 15.4773, 0.3117,
0.5907

 17.2420, 0.3223,
0.4709

 17.8476, 0.3214,
0.4390

 18.5498, 0.3197,
0.4080

■ 19.3525, 0.3176,
0.3789

■ 20.2595, 0.3152,
0.3521

■ 21.2747, 0.3126,
0.3279

■ 22.4014, 0.3099,
0.3063

Harmonies

Analogous

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



15.9571, 0.4236, 0.5240



15.9571, 0.3188, 0.5565



15.9571, 0.2176, 0.4759

Triad

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



15.9571, 0.3188, 0.5565



15.9571, 0.1351, 0.1735



15.9571, 0.5015, 0.2909

Complementary

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



15.9571, 0.3188, 0.5565



5.0964, 0.2740, 0.1443

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.



15.9571, 0.3877, 0.2266



15.9571, 0.3188, 0.5565



15.9571, 0.1801, 0.1625

Square

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



15.9571, 0.3188, 0.5565



15.9571, 0.1243, 0.2238



15.9571, 0.2657, 0.1813



15.9571, 0.5453, 0.3639

Rectangle

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



15.9571, 0.3188, 0.5565



15.9571, 0.1670, 0.3779



15.9571, 0.2657, 0.1813



15.9571, 0.4688, 0.2681

Sweetspot

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



15.9578, 0.3188, 0.5565



33.9061, 0.3187, 0.3933



14.0410, 0.4455, 0.4577



7.8384, 0.3194, 0.4022



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.



15.9578, 0.3188, 0.5565



27.8104, 0.3123, 0.5860



15.6402, 0.2874, 0.5216



4.8662, 0.3151, 0.3510



15.6083, 0.3117, 0.5907



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.0964, 0.2740, 0.1443



7.4186, 0.2627, 0.1244



6.2057, 0.3735, 0.2014



4.3605, 0.3101, 0.3075



4.0289, 0.2608, 0.1211



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9571, 0.3188, 0.5565 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 15.9571, 0.3188, 0.5565 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 15.9571, 0.3188, 0.5565

Background



This preview shows how black text looks on a background with the Yxy color 15.9571, 0.3188, 0.5565.



This preview shows how white text looks on a background with the Yxy color 15.9571, 0.3188, 0.5565.

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

15.9571, 0.3188, 0.5565

Protanopia

15.7868, 0.4313, 0.4766

Deuteranopia

15.6338, 0.4486, 0.4424



Tritanopia

15.8550, 0.2513, 0.3071

Trichromacy



Original Color

15.9571, 0.3188, 0.5565

Protanomaly

15.3811, 0.3838, 0.5109

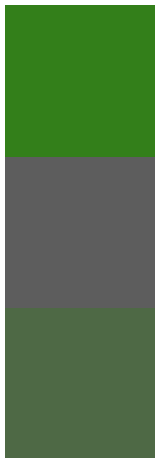
Deuteranomaly

14.9787, 0.3944, 0.4878

Tritanomaly

15.5201, 0.2802, 0.4012

Monochromacy



Original Color

15.9571, 0.3188, 0.5565

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.1525, 0.3206, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9571, 0.3188, 0.5565 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(51, 127, 26)` looks like.

```
.text, #text, p{  
    color:rgb(51, 127, 26)  
}
```

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(51, 127, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 127, 26) }
```

Border

The CSS property to change the border of an element to Yxy 15.9571, 0.3188, 0.5565 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(51, 127, 26) }
```

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

```
.border{ border-color:rgb(51, 127, 26) }
```

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

Here you see how a box with a 4 pixel rgb(51, 127, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 127, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 127, 26);  
box-shadow:4px 4px 4px 4px rgb(51, 127,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9571, 0.3188, 0.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 127, 26) }
```

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

```
.background{ background-color: rgb(51, 127,  
26) }
```

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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