

Converting Colors

$Yxy(16.0668, 0.3064, 0.5492)$

Have a look what the booklet for
Yxy(16.0668, 0.3064, 0.5492)
contains.

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Color

Yxy(16.0311, 0.3063, 0.5494)

Conversions

Conversions Part 1

Format	Color
Hex	298023
RGB	41, 128, 35
RGB Percent	16%, 50%, 14%
CMY	0.8391, 0.4980, 0.8629
CMYK	0.68, 0.00, 0.73, 0.50
HSL	116°, 57%, 32%
HSV	116°, 73%, 50%
XYZ	8.9376, 16.0311, 4.2106
YIQ	91.3850, -21.9990, -47.3670

Conversions

Conversions Part 2

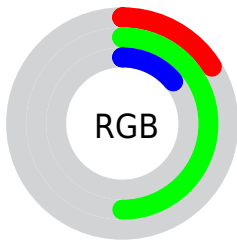
Format	Color
R_{YB}	35, 128, 122
Decimal	2719779
CIE _{Lab}	47.02, -44.25, 41.01
CIE _{LCh}	47, 60.333, 137.172
Yxy	16.0311, 0.3063, 0.5494
Android (android.graphics.Color)	4280909859 (0xFF298023)
YUV	91.3850, -27.7978, -44.1876
Hunter-Lab	40.0389, -30.2226, 21.7921

Details

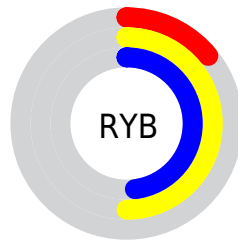
The Yxy color **16.0311, 0.3063, 0.5494** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.8913, 0.3090, 0.1702**, and the grayscale version is **10.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7644, 0.3146, 0.4920**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.7593, 0.3045, 0.5730**, and if you desaturate by 10%, it is **16.4069, 0.3080, 0.5200**.

Distribution



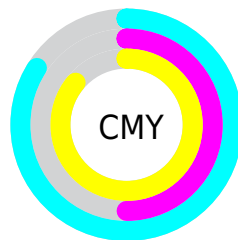
- Red (16%)
- Green (50%)
- Blue (14%)



- Red (14%)
- Yellow (50%)
- Blue (48%)



- Cyan (68%)
- Magenta (0%)
- Yellow (73%)
- Black (50%)





- Cyan (84%)
- Magenta (50%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0311, 0.3063, 0.5494 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 16.0311, 0.3063, 0.5494 by changing the saturation by 10% instead.


 16.0311, 0.3063,
0.5494


 16.0311, 0.3063,
0.5494


229.5252, 0.3179,
0.4119


 9.5462, 0.2965,
0.5950


 36.6522, 0.3143,
0.4914


 5.0991, 0.2804,
0.6686

 51.5571, 0.3160,
0.4721


 2.3055, 0.2355,
0.7645

 70.0375, 0.3169,
0.4568

 0.7766, 0.0000,
1.0000

 92.4778, 0.3174,
0.4444

 0.0000, 0.0000,
0.0000

 119.2623, 0.3177,
0.4342

 150.7754, 0.3179,

0.4256

187.4016, 0.3179,
0.4182

16.0311, 0.3063,
0.5494

16.0311, 0.3063,
0.5494

15.7593, 0.3045,
0.5730

16.4069, 0.3080,
0.5200

15.5791, 0.3027,
0.5893

16.8934, 0.3094,
0.4873

15.4923, 0.3021,
0.5983

17.4993, 0.3106,
0.4533

18.2318, 0.3115,
0.4201

19.0974, 0.3121,
0.3890

■ 20.1024, 0.3125,
0.3606

■ 21.2524, 0.3127,
0.3353

■ 22.5530, 0.3128,
0.3130

■ 24.0093, 0.3127,
0.2935

Harmonies

Analogous

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



16.0311, 0.4107, 0.5296



16.0311, 0.3063, 0.5494



16.0311, 0.2086, 0.4565

Triad

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



16.0311, 0.3063, 0.5494



16.0311, 0.1407, 0.1723



16.0311, 0.5085, 0.3004

Complementary

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



16.0311, 0.3063, 0.5494



6.8913, 0.3090, 0.1702

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.



16.0311, 0.4022, 0.2350



16.0311, 0.3063, 0.5494



16.0311, 0.1900, 0.1652

Square

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



16.0311, 0.3063, 0.5494



16.0311, 0.1260, 0.2166



16.0311, 0.2799, 0.1872



16.0311, 0.5416, 0.3737

Rectangle

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



16.0311, 0.3063, 0.5494



16.0311, 0.1619, 0.3595



16.0311, 0.2799, 0.1872



16.0311, 0.4792, 0.2774

Sweetspot

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



16.0318, 0.3063, 0.5494



33.6526, 0.3121, 0.3885



18.5800, 0.4134, 0.4759



7.7946, 0.3120, 0.3952



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.



16.0318, 0.3063, 0.5494



27.5284, 0.3034, 0.5842



16.3071, 0.2742, 0.4614



4.8311, 0.3126, 0.3512



15.3619, 0.3022, 0.5983



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.8913, 0.3090, 0.1702



10.4030, 0.3068, 0.1526



6.4888, 0.4082, 0.2354



4.3986, 0.3128, 0.3077



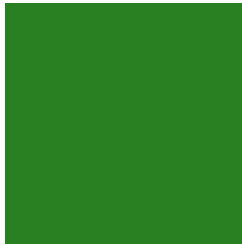
5.4803, 0.3051, 0.1454



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.0311, 0.3063, 0.5494 looks on a white background.

Color Contrast Check

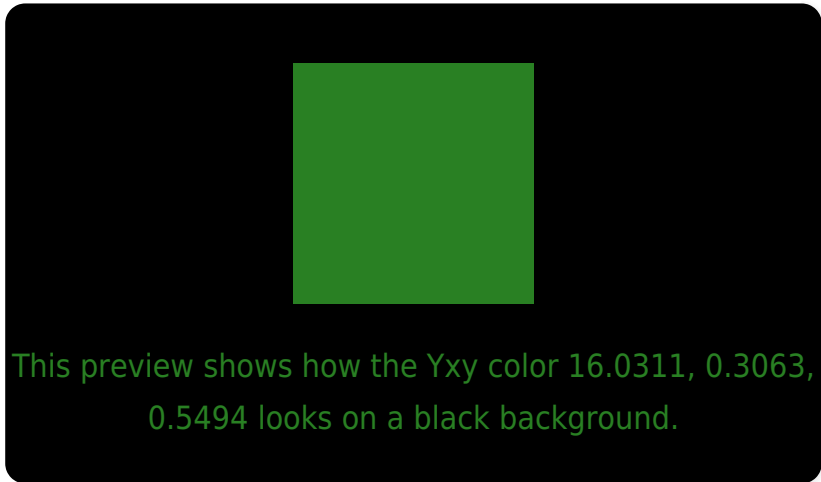
Large Text (above 18pt) WCAG AA ✓ Pass

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

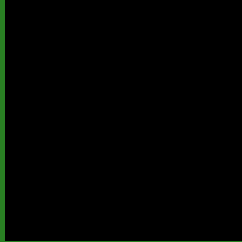
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0311, 0.3063, 0.5494

Background



This preview shows how black text looks on a background with the Yxy color 16.0311, 0.3063, 0.5494.



This preview shows how white text looks on a background with the Yxy color 16.0311, 0.3063, 0.5494.

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

16.0311, 0.3063, 0.5494

Protanopia

15.7529, 0.4241, 0.4691

Deuteranopia

15.6883, 0.4411, 0.4329



Tritanopia

15.9024, 0.2459, 0.3069

Trichromacy



Original Color

16.0311, 0.3063, 0.5494

Protanomaly

15.2065, 0.3727, 0.5043

Deuteranomaly

14.8539, 0.3827, 0.4778

Tritanomaly

15.5860, 0.2697, 0.3944

Monochromacy



Original Color

16.0311, 0.3063, 0.5494

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.7720, 0.3114, 0.4149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0311, 0.3063, 0.5494 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(41, 128, 35)` looks like.

```
.text, #text, p{  
    color:rgb(41, 128, 35)  
}
```

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(41, 128, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 128, 35) }
```

Border

The CSS property to change the border of an element to Yxy 16.0311, 0.3063, 0.5494 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(41, 128, 35) }
```

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

```
.border{ border-color:rgb(41, 128, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 128, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 128, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 128, 35);  
box-shadow:4px 4px 4px 4px rgb(41, 128,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0311, 0.3063, 0.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 128, 35) }
```

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

```
.background{ background-color: rgb(41, 128,  
35) }
```

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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