

Converting Colors

$Yxy(16.6955, 0.3350, 0.5379)$

Have a look what the booklet for
Yxy(16.6955, 0.3350, 0.5379)
contains.

Yxy(16.8394, 0.3349, 0.5376)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8394, 0.3349, 0.5376)

Conversions

Conversions Part 1

Format	Color
Hex	46801F
RGB	70, 128, 31
RGB Percent	27%, 50%, 12%
CMY	0.7256, 0.4980, 0.8784
CMYK	0.45, 0.00, 0.76, 0.50
HSL	96°, 61%, 31%
HSV	96°, 76%, 50%
XYZ	10.4902, 16.8394, 3.9937
YIQ	99.6000, -3.4310, -42.4630

Conversions

Conversions Part 2

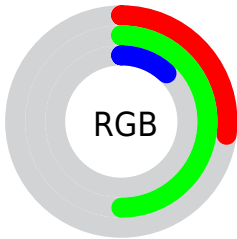
Format	Color
R_{YB}	31, 128, 89
Decimal	4620319
CIE _{Lab}	48.06, -36.27, 43.99
CIE _{LCh}	48, 57.016, 129.504
Yxy	16.8394, 0.3349, 0.5376
Android (android.graphics.Color)	4282810399 (0xFF46801F)
YUV	99.6000, -33.8198, -25.9592
Hunter-Lab	41.0358, -26.1820, 22.9548

Details

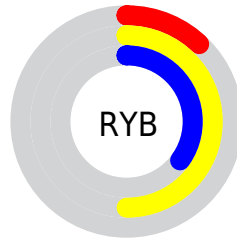
The Yxy color **16.8394, 0.3349, 0.5376** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.6653, 0.2499, 0.1370**, and the grayscale version is **12.7232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8679, 0.3361, 0.4855**, and **5.5269, 0.3086, 0.5931** is the 20% darker color. If you saturate the color by 10%, you get **16.5188, 0.3322, 0.5579**, and if you desaturate by 10%, it is **17.2247, 0.3358, 0.5126**.

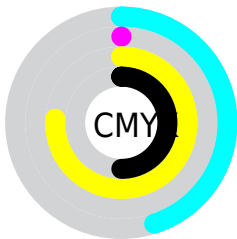
Distribution



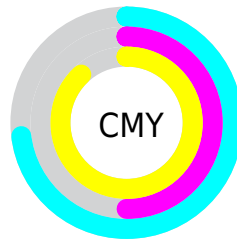
- Red (27%)
- Green (50%)
- Blue (12%)



- Red (12%)
- Yellow (50%)
- Blue (35%)



- Cyan (45%)
- Magenta (0%)
- Yellow (76%)
- Black (50%)





- Cyan (73%)
- Magenta (50%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8394, 0.3349, 0.5376 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 16.8394, 0.3349, 0.5376 by changing the saturation by 10% instead.


 16.8394, 0.3349,
0.5376


 16.8394, 0.3349,
0.5376


234.2452, 0.3297,
0.4106


 10.1201, 0.3303,
0.5772


 38.0494, 0.3362,
0.4853


 5.4786, 0.3228,
0.6414

 53.3089, 0.3355,
0.4675


 2.5307, 0.2886,
0.7114

 72.1839, 0.3345,
0.4533

 0.8920, 0.0000,
1.0000

 95.0588, 0.3335,
0.4416


 0.0000, 0.0000,
0.0000


 122.3180, 0.3325,
0.4319


 154.3458, 0.3315,

0.4237

 191.5268, 0.3306,
0.4166

 16.8394, 0.3349,
0.5376


 16.8394, 0.3349,
0.5376


 16.5188, 0.3322,
0.5579


 17.2247, 0.3358,
0.5126

 16.2545, 0.3281,
0.5731

 17.6765, 0.3350,
0.4845

 16.1550, 0.3264,
0.5790

 18.1993, 0.3327,
0.4547

 18.7966, 0.3293,
0.4247

 19.4714, 0.3251,
0.3956

■ 20.2268, 0.3205,
0.3681

■ 21.0654, 0.3156,
0.3427

■ 21.9899, 0.3106,
0.3195

■ 23.0029, 0.3058,
0.2986

Harmonies

Analogous

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



16.8394, 0.4314, 0.5037



16.8394, 0.3349, 0.5376



16.8394, 0.2378, 0.4768

Triad

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



16.8394, 0.3349, 0.5376



16.8394, 0.1428, 0.1882



16.8394, 0.4748, 0.2865

Complementary

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



16.8394, 0.3349, 0.5376



4.6653, 0.2499, 0.1370

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.



16.8394, 0.3665, 0.2269



16.8394, 0.3349, 0.5376



16.8394, 0.1814, 0.1726

Square

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



16.8394, 0.3349, 0.5376



16.8394, 0.1372, 0.2429



16.8394, 0.2571, 0.1868



16.8394, 0.5269, 0.3558

Rectangle

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



16.8394, 0.3349, 0.5376



16.8394, 0.1863, 0.3923



16.8394, 0.2571, 0.1868



16.8394, 0.4424, 0.2651

Sweetspot

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



16.8401, 0.3349, 0.5376



34.5644, 0.3241, 0.3893



11.6010, 0.4656, 0.4284



8.0004, 0.3255, 0.3980



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.



16.8401, 0.3349, 0.5376



28.7316, 0.3293, 0.5693



15.8790, 0.2977, 0.5463



4.8965, 0.3172, 0.3509



16.0173, 0.3264, 0.5790



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6653, 0.2499, 0.1370



6.0973, 0.2323, 0.1100



6.9242, 0.3353, 0.1817



4.3289, 0.3079, 0.3073



3.0940, 0.2256, 0.1016



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8394, 0.3349, 0.5376 looks on a white background.

Color Contrast Check

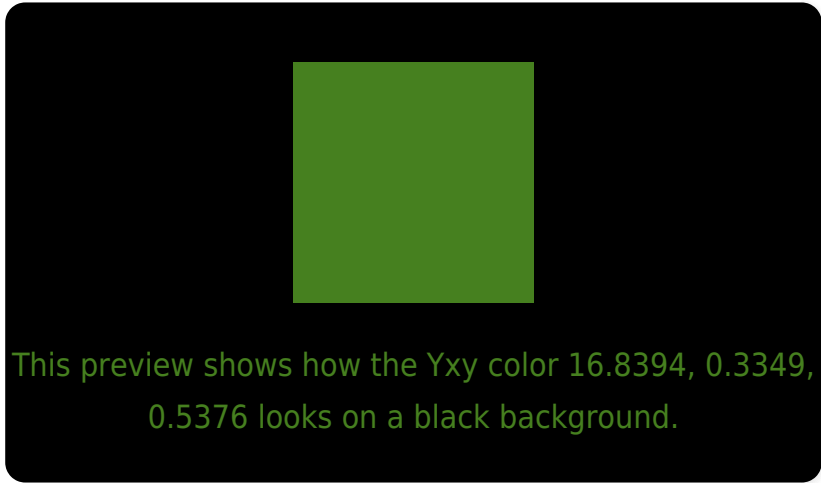
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8394, 0.3349, 0.5376

Background



This preview shows how black text looks on a background with the Yxy color 16.8394, 0.3349, 0.5376.



This preview shows how white text looks on a background with the Yxy color 16.8394, 0.3349, 0.5376.

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

16.8394, 0.3349, 0.5376

Protanopia

16.7030, 0.4284, 0.4734

Deuteranopia

16.6291, 0.4464, 0.4393



Tritanopia

16.7099, 0.2637, 0.3080

Trichromacy



Original Color

16.8394, 0.3349, 0.5376

Protanomaly

16.4033, 0.3917, 0.4992

Deuteranomaly

16.1080, 0.4030, 0.4750

Tritanomaly

16.4149, 0.2948, 0.3952

Monochromacy



Original Color

16.8394, 0.3349, 0.5376

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.7837, 0.3274, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8394, 0.3349, 0.5376 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(70, 128, 31)` looks like.

```
.text, #text, p{  
    color:rgb(70, 128, 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(70, 128, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 128, 31) }
```

Border

The CSS property to change the border of an element to Yxy 16.8394, 0.3349, 0.5376 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(70, 128, 31) }
```

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

```
.border{ border-color:rgb(70, 128, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 128, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 128, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 128, 31);  
box-shadow:4px 4px 4px 4px rgb(70, 128,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8394, 0.3349, 0.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 128, 31) }
```

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

```
.background{ background-color: rgb(70, 128,  
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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