

Converting Colors

$Yxy(16.3005, 0.3414, 0.5377)$

Have a look what the booklet for
Yxy(16.3005, 0.3414, 0.5377)
contains.

Yxy(16.4173, 0.3414, 0.5386)	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(16.4173, 0.3414, 0.5386)

Conversions

Conversions Part 1

Format	Color
Hex	497E1B
RGB	73, 126, 27
RGB Percent	29%, 49%, 11%
CMY	0.7137, 0.5059, 0.8941
CMYK	0.42, 0.00, 0.79, 0.51
HSL	92°, 65%, 30%
HSV	92°, 79%, 49%
XYZ	10.4064, 16.4173, 3.6578
YIQ	98.8670, 0.1910, -42.0250

Conversions

Conversions Part 2

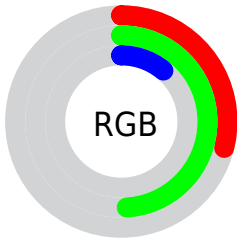
Format	Color
R_{YB}	27, 126, 80
Decimal	4816411
CIE _{Lab}	47.52, -34.58, 44.98
CIE _{LCh}	48, 56.738, 127.556
Yxy	16.4173, 0.3414, 0.5386
Android (android.graphics.Color)	4283006491 (0xFF497E1B)
YUV	98.8670, -35.4304, -22.6854
Hunter-Lab	40.5183, -25.0626, 23.0104

Details

The Yxy color **16.4173, 0.3414, 0.5386** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.9970, 0.2365, 0.1266**, and the grayscale version is **12.5336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2403, 0.3413, 0.4863**, and **5.2975, 0.3147, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **16.1223, 0.3387, 0.5568**, and if you desaturate by 10%, it is **16.7674, 0.3421, 0.5157**.

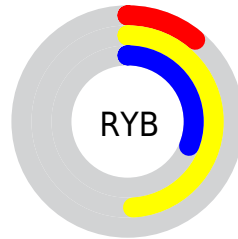
Distribution



Red (29%)

Green (49%)

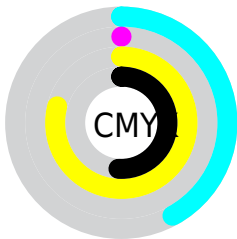
Blue (11%)



Red (11%)

Yellow (49%)

Blue (31%)

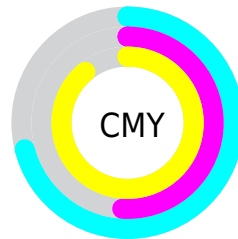


Cyan (42%)

Magenta (0%)

Yellow (79%)

Black (51%)



Cyan (71%)

Magenta (51%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4173, 0.3414, 0.5386 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 16.4173, 0.3414, 0.5386 by changing the saturation by 10% instead.


 16.4173, 0.3414,
0.5386


 16.4173, 0.3414,
0.5386


231.7917, 0.3327,
0.4112


 9.8199, 0.3374,
0.5779


 37.3212, 0.3414,
0.4864


 5.2797, 0.3331,
0.6459

 52.3964, 0.3402,
0.4685


 2.4123, 0.2949,
0.7051

 71.0664, 0.3389,
0.4542

 0.8322, 0.0000,
1.0000


 93.7156, 0.3375,
0.4424

 0.0000, 0.0000,
0.0000


 120.7283, 0.3362,
0.4326


 152.4890, 0.3349,

0.4244


 189.3820, 0.3338,
0.4173


 16.4173, 0.3414,
0.5386


 16.4173, 0.3414,
0.5386


 16.1223, 0.3387,
0.5568


 16.7674, 0.3421,
0.5157

 15.8717, 0.3347,
0.5709

 17.1741, 0.3410,
0.4893

 15.8381, 0.3341,
0.5729

 17.6415, 0.3382,
0.4608

 18.1726, 0.3341,
0.4316

 18.7700, 0.3292,
0.4028

■ 19.4365, 0.3236,
0.3752

■ 20.1744, 0.3178,
0.3495

■ 20.9859, 0.3119,
0.3257

■ 21.8734, 0.3061,
0.3041

Harmonies

Analogous

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



16.4173, 0.4374, 0.5000



16.4173, 0.3414, 0.5386



16.4173, 0.2433, 0.4844

Triad

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



16.4173, 0.3414, 0.5386



16.4173, 0.1410, 0.1900



16.4173, 0.4695, 0.2820

Complementary

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



16.4173, 0.3414, 0.5386



3.9970, 0.2365, 0.1266

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.



16.4173, 0.3590, 0.2233



16.4173, 0.3414, 0.5386



16.4173, 0.1775, 0.1722

Square

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



16.4173, 0.3414, 0.5386



16.4173, 0.1375, 0.2478



16.4173, 0.2508, 0.1847



16.4173, 0.5266, 0.3510

Rectangle

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



16.4173, 0.3414, 0.5386



16.4173, 0.1902, 0.4013



16.4173, 0.2508, 0.1847



16.4173, 0.4360, 0.2608

Sweetspot

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



16.4180, 0.3414, 0.5386



33.4925, 0.3270, 0.3916



10.2241, 0.4802, 0.4211



7.5419, 0.3286, 0.3998



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.4180, 0.3414, 0.5386



28.0389, 0.3354, 0.5671



15.2509, 0.3001, 0.5614



4.9090, 0.3181, 0.3508



16.2451, 0.3341, 0.5730



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.9970, 0.2365, 0.1266



5.1359, 0.2167, 0.0999



6.6429, 0.3264, 0.1727



4.3162, 0.3069, 0.3073



2.7840, 0.2124, 0.0943



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4173, 0.3414, 0.5386 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 16.4173, 0.3414, 0.5386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

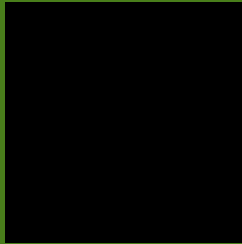
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4173, 0.3414, 0.5386

Background



This preview shows how black text looks on a background with the Yxy color 16.4173, 0.3414, 0.5386.



This preview shows how white text looks on a background with the Yxy color 16.4173, 0.3414, 0.5386.

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

16.4173, 0.3414, 0.5386

Protanopia

16.3118, 0.4288, 0.4766

Deuteranopia

16.3055, 0.4499, 0.4430



Tritanopia

16.2811, 0.2671, 0.3079

Trichromacy



Original Color

16.4173, 0.3414, 0.5386

Protanomaly

16.1529, 0.3945, 0.5011

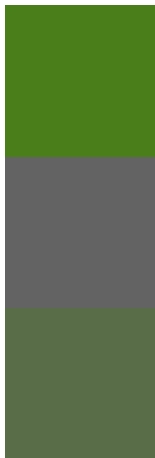
Deuteranomaly

15.8574, 0.4072, 0.4785

Tritanomaly

15.9821, 0.2990, 0.3955

Monochromacy



Original Color

16.4173, 0.3414, 0.5386

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.5920, 0.3316, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4173, 0.3414, 0.5386 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(73, 126, 27)` looks like.

```
.text, #text, p{  
    color:rgb(73, 126, 27)  
}
```

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(73, 126, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 126, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.4173, 0.3414, 0.5386 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(73, 126, 27) }
```

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

```
.border{ border-color:rgb(73, 126, 27) }
```

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

Here you see how a box with a 4 pixel rgb(73, 126, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 126, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 126, 27);  
box-shadow:4px 4px 4px 4px rgb(73, 126,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4173, 0.3414, 0.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 126, 27) }
```

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

```
.background{ background-color: rgb(73, 126,  
27) }
```

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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