

Converting Colors

$Y_{xy}(16.3386, 0.3678, 0.5120)$

Have a look what the booklet for
Yxy(16.3386, 0.3678, 0.5120)
contains.

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Color

Yxy(16.3452, 0.3674, 0.5124)

Conversions

Conversions Part 1

Format	Color
Hex	5D7A1F
RGB	93, 122, 31
RGB Percent	36%, 48%, 12%
CMY	0.6354, 0.5215, 0.8784
CMYK	0.24, 0.00, 0.75, 0.52
HSL	79°, 59%, 30%
HSV	79°, 75%, 48%
XYZ	11.7198, 16.3452, 3.8343
YIQ	102.9550, 11.9270, -34.4490

Conversions

Conversions Part 2

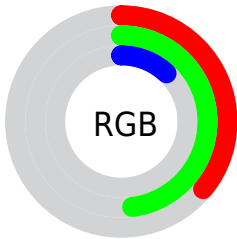
Format	Color
RYB	31, 122, 60
Decimal	6126111
CIELab	47.42, -24.51, 43.80
CIELCh	47, 50.191, 119.237
Yxy	16.3452, 0.3674, 0.5124
Android (android.graphics.Color)	4284316191 (0xFF5D7A1F)
YUV	102.9550, -35.4738, -8.7305
Hunter-Lab	40.4292, -19.0067, 22.6774

Details

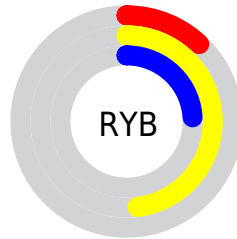
The Yxy color **16.3452, 0.3674, 0.5124** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.3479, 0.2099, 0.1197**, and the grayscale version is **13.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3801, 0.3599, 0.4686**, and **5.2787, 0.3557, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **16.0954, 0.3683, 0.5290**, and if you desaturate by 10%, it is **16.6312, 0.3642, 0.4918**.

Distribution



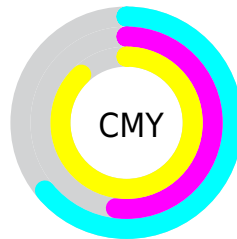
- Red (36%)
- Green (48%)
- Blue (12%)



- Red (12%)
- Yellow (48%)
- Blue (24%)



- Cyan (24%)
- Magenta (0%)
- Yellow (75%)
- Black (52%)





- Cyan (64%)
- Magenta (52%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3452, 0.3674, 0.5124 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 16.3452, 0.3674, 0.5124 by changing the saturation by 10% instead.


 16.3452, 0.3674,
0.5124


 16.3452, 0.3674,
0.5124


 231.3701, 0.3420,
0.4030


 9.7688, 0.3695,
0.5449


 37.1965, 0.3601,
0.4683


 5.2459, 0.3735,
0.5987

 52.2401, 0.3566,
0.4530

 2.3923, 0.3520,
0.6480

 70.8748, 0.3534,
0.4406

 0.8219, 0.1819,
0.8181

 93.4852, 0.3506,
0.4304


 0.0000, 0.0000,
0.0000


 120.4555, 0.3481,
0.4219

 152.1702, 0.3458,

0.4146

 189.0136, 0.3438,
0.4084


 16.3452, 0.3674,
0.5124


 16.3452, 0.3674,
0.5124


 16.0954, 0.3683,
0.5290


 16.6312, 0.3642,
0.4918


 15.8758, 0.3670,
0.5414

 16.9537, 0.3590,
0.4682

 15.7638, 0.3660,
0.5476

 17.3159, 0.3522,
0.4427

 17.7199, 0.3442,
0.4162

 18.1675, 0.3354,
0.3898

■ 18.6605, 0.3262,
0.3641

■ 19.2006, 0.3169,
0.3397

■ 19.7894, 0.3078,
0.3168

■ 20.4283, 0.2991,
0.2958

Harmonies

Analogous

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



16.3452, 0.4495, 0.4695



16.3452, 0.3674, 0.5124



16.3452, 0.2762, 0.4864

Triad

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



16.3452, 0.3674, 0.5124



16.3452, 0.1518, 0.2146



16.3452, 0.4277, 0.2714

Complementary

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



16.3452, 0.3674, 0.5124



3.3479, 0.2099, 0.1197

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.



16.3452, 0.3260, 0.2210



16.3452, 0.3674, 0.5124



16.3452, 0.1772, 0.1878

Square

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



16.3452, 0.3674, 0.5124



16.3452, 0.1581, 0.2809



16.3452, 0.2356, 0.1915



16.3452, 0.4960, 0.3341

Rectangle

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



16.3452, 0.3674, 0.5124



16.3452, 0.2222, 0.4245



16.3452, 0.2356, 0.1915



16.3452, 0.3951, 0.2527

Sweetspot

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



16.3459, 0.3674, 0.5124



32.1294, 0.3335, 0.3844



7.4508, 0.5055, 0.3812



7.3065, 0.3354, 0.3899



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3459, 0.3674, 0.5124



28.0546, 0.3676, 0.5375



14.6408, 0.3147, 0.5477



4.5729, 0.3211, 0.3505



16.5902, 0.3659, 0.5477



78.6656, 0.3631, 0.5499

Inverse Universe

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



3.3479, 0.2099, 0.1197



3.9183, 0.1864, 0.0870



5.4090, 0.2884, 0.1581



3.9499, 0.3039, 0.3072



1.9277, 0.1756, 0.0741



8.7854, 0.1709, 0.0715

Previews

White Background



This preview shows how the Yxy color 16.3452, 0.3674, 0.5124 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 16.3452, 0.3674, 0.5124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

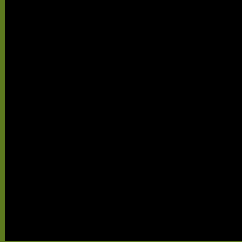
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3452, 0.3674, 0.5124

Background



This preview shows how black text looks on a background with the Yxy color 16.3452, 0.3674, 0.5124.



This preview shows how white text looks on a background with the Yxy color 16.3452, 0.3674, 0.5124.

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

16.3452, 0.3674, 0.5124

Protanopia

16.1127, 0.4271, 0.4707

Deuteranopia

16.2244, 0.4477, 0.4427



Tritanopia

16.3483, 0.2886, 0.3106

Trichromacy



Original Color

16.3452, 0.3674, 0.5124

Protanomaly

16.1619, 0.4039, 0.4865

Deuteranomaly

15.9206, 0.4184, 0.4669

Tritanomaly

16.1134, 0.3214, 0.3879

Monochromacy



Original Color

16.3452, 0.3674, 0.5124

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3403, 0.3392, 0.4033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3452, 0.3674, 0.5124 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(93, 122, 31)` looks like.

```
.text, #text, p{  
    color:rgb(93, 122, 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(93, 122, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 122, 31) }
```

Border

The CSS property to change the border of an element to Yxy 16.3452, 0.3674, 0.5124 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(93, 122, 31) }
```

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

```
.border{ border-color:rgb(93, 122, 31) }
```

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

Here you see how a box with a 4 pixel rgb(93, 122, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 122, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 122, 31);  
box-shadow:4px 4px 4px 4px rgb(93, 122,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3452, 0.3674, 0.5124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 122, 31) }
```

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

```
.background{ background-color: rgb(93, 122,  
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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