

Converting Colors

$Y_{xy}(15.9573, 0.3747, 0.4727)$

Have a look what the booklet for
Yxy(15.9573, 0.3747, 0.4727)
contains.

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Color

Yxy(15.8709, 0.3751, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	68752F
RGB	104, 117, 47
RGB Percent	41%, 46%, 18%
CMY	0.5922, 0.5412, 0.8156
CMYK	0.11, 0.00, 0.60, 0.54
HSL	71°, 43%, 32%
HSV	71°, 60%, 46%
XYZ	12.5833, 15.8709, 5.0924
YIQ	105.1330, 14.7220, -24.5260

Conversions

Conversions Part 2

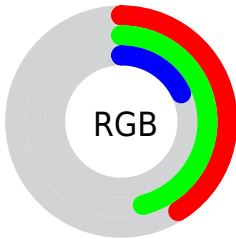
Format	Color
RYB	47, 117, 60
Decimal	6845743
CIELab	46.80, -15.88, 36.23
CIELCh	47, 39.552, 113.666
Yxy	15.8709, 0.3751, 0.4731
Android (android.graphics.Color)	4285035823 (0xFF68752F)
YUV	105.1330, -28.6596, -0.9936
Hunter-Lab	39.8383, -13.3360, 20.3080

Details

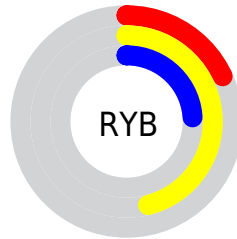
The Yxy color **15.8709, 0.3751, 0.4731** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.2816, 0.2199, 0.1545**, and the grayscale version is **14.2416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3886, 0.3635, 0.4379**, and **5.0405, 0.3853, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **15.6610, 0.3815, 0.4926**, and if you desaturate by 10%, it is **16.1110, 0.3668, 0.4508**.

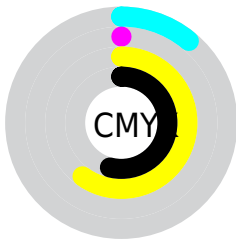
Distribution



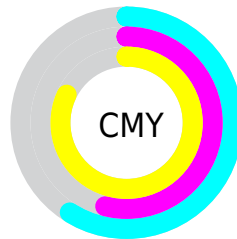
- Red (41%)
- Green (46%)
- Blue (18%)



- Red (18%)
- Yellow (46%)
- Blue (24%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)
- Black (54%)





- Cyan (59%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8709, 0.3751, 0.4731 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 15.8709, 0.3751, 0.4731 by changing the saturation by 10% instead.


 15.8709, 0.3751,
0.4731


 15.8709, 0.3751,
0.4731


 228.5787, 0.3421,
0.3873


 9.4328, 0.3820,
0.4993


 36.3739, 0.3634,
0.4383


 5.0246, 0.3892,
0.5363

 51.2077, 0.3588,
0.4263


 2.2617, 0.3994,
0.6006

 69.6088, 0.3549,
0.4166

 0.7533, 0.3036,
0.6964

 91.9617, 0.3516,
0.4087

 0.0000, 0.0000,
0.0000

 118.6508, 0.3487,
0.4020

 150.0603, 0.3462,

0.3963

186.5749, 0.3441,
0.3915

■ 15.8709, 0.3751,
0.4731

■ 15.8709, 0.3751,
0.4731

■ 15.6610, 0.3815,
0.4926

■ 16.1110, 0.3668,
0.4508

■ 15.4769, 0.3858,
0.5086

■ 16.3809, 0.3570,
0.4267

■ 15.3170, 0.3877,
0.5205

■ 16.6830, 0.3463,
0.4016

■ 15.1726, 0.3881,
0.5299

■ 17.0191, 0.3351,
0.3765

■ 15.1698, 0.3881,
0.5300

■ 17.3903, 0.3237,
0.3520

■ 17.7983, 0.3125,
0.3286

■ 18.2441, 0.3017,
0.3065

■ 18.7292, 0.2914,
0.2860

■ 19.2545, 0.2818,
0.2672

Harmonies

Analogous

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



15.8709, 0.4376, 0.4389



15.8709, 0.3751, 0.4731



15.8709, 0.2999, 0.4594

Triad

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



15.8709, 0.3751, 0.4731



15.8709, 0.1773, 0.2448



15.8709, 0.3908, 0.2737

Complementary

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



15.8709, 0.3751, 0.4731



4.2816, 0.2199, 0.1545

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.



15.8709, 0.3096, 0.2333



15.8709, 0.3751, 0.4731



15.8709, 0.1942, 0.2145

Square

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



15.8709, 0.3751, 0.4731



15.8709, 0.1895, 0.3068



15.8709, 0.2391, 0.2121



15.8709, 0.4524, 0.3266

Rectangle

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



15.8709, 0.3751, 0.4731



15.8709, 0.2527, 0.4183



15.8709, 0.2391, 0.2121



15.8709, 0.3642, 0.2585

Sweetspot

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



15.8716, 0.3751, 0.4731



30.5597, 0.3335, 0.3732



7.2045, 0.4672, 0.3558



6.9918, 0.3362, 0.3790



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.8716, 0.3751, 0.4731



27.9033, 0.3835, 0.4996



14.2009, 0.3280, 0.4985



4.2335, 0.3228, 0.3502



16.7066, 0.3879, 0.5302



81.0678, 0.3862, 0.5315

Inverse Universe

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



4.2816, 0.2199, 0.1545



5.0834, 0.1954, 0.1144



5.7444, 0.2779, 0.1787



3.6196, 0.3021, 0.3073



1.5944, 0.1611, 0.0661



7.4874, 0.1575, 0.0642

Previews

White Background



This preview shows how the Yxy color 15.8709, 0.3751, 0.4731 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 15.8709, 0.3751, 0.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

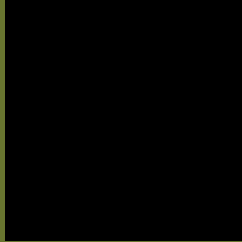
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8709, 0.3751, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 15.8709, 0.3751, 0.4731.



This preview shows how white text looks on a background with the Yxy color 15.8709, 0.3751, 0.4731.

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

15.8709, 0.3751, 0.4731

Protanopia

15.7693, 0.4109, 0.4523

Deuteranopia

15.6518, 0.4333, 0.4254



Tritanopia

15.9046, 0.3055, 0.3129

Trichromacy



Original Color

15.8709, 0.3751, 0.4731

Protanomaly

15.7205, 0.3974, 0.4593

Deuteranomaly

15.5190, 0.4121, 0.4417

Tritanomaly

15.8342, 0.3335, 0.3733

Monochromacy



Original Color

15.8709, 0.3751, 0.4731

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.5806, 0.3394, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8709, 0.3751, 0.4731 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(104, 117, 47)` looks like.

```
.text, #text, p{  
    color:rgb(104, 117, 47)  
}
```

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(104, 117, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 117, 47) }
```

Border

The CSS property to change the border of an element to Yxy 15.8709, 0.3751, 0.4731 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(104, 117, 47) }
```

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

```
.border{ border-color:rgb(104, 117, 47) }
```

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

Here you see how a box with a 4 pixel rgb(104, 117, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 117, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 117, 47);  
box-shadow:4px 4px 4px 4px rgb(104, 117,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8709, 0.3751, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 117, 47) }
```

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

```
.background{ background-color: rgb(104,  
117, 47) }
```

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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