

Converting Colors

$Y_{xy}(15.9232, 0.3808, 0.4968)$

Have a look what the booklet for
Yxy(15.9232, 0.3808, 0.4968)
contains.

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Color

Yxy(15.8391, 0.3803, 0.4965)

Conversions

Conversions Part 1

Format	Color
Hex	657622
RGB	101, 118, 34
RGB Percent	40%, 46%, 13%
CMY	0.6040, 0.5372, 0.8667
CMYK	0.14, 0.00, 0.71, 0.54
HSL	72°, 55%, 30%
HSV	72°, 71%, 46%
XYZ	12.1321, 15.8391, 3.9303
YIQ	103.3410, 16.8320, -29.7280

Conversions

Conversions Part 2

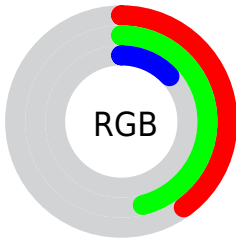
Format	Color
RYB	34, 118, 51
Decimal	6649378
CIELab	46.76, -18.78, 42.11
CIElCh	47, 46.111, 114.032
Yxy	15.8391, 0.3803, 0.4965
Android (android.graphics.Color)	4284839458 (0xFF657622)
YUV	103.3410, -34.1851, -2.0531
Hunter-Lab	39.7984, -15.2332, 22.0037

Details

The Yxy color **15.8391, 0.3803, 0.4965** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1561, 0.2016, 0.1221**, and the grayscale version is **13.7470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2596, 0.3690, 0.4567**, and **5.0841, 0.3769, 0.5389** is the 20% darker color. If you saturate the color by 10%, you get **15.6470, 0.3839, 0.5123**, and if you desaturate by 10%, it is **16.0601, 0.3744, 0.4771**.

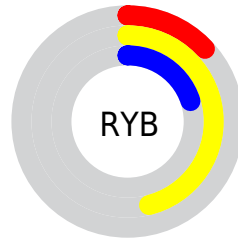
Distribution



Red (40%)

Green (46%)

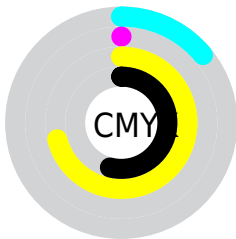
Blue (13%)



Red (13%)

Yellow (46%)

Blue (20%)

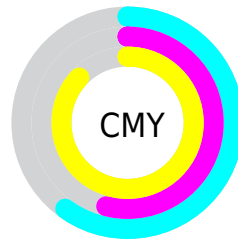


Cyan (14%)

Magenta (0%)

Yellow (71%)

Black (54%)



Cyan (60%)


Magenta (54%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8391, 0.3803, 0.4965 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 15.8391, 0.3803, 0.4965 by changing the saturation by 10% instead.


 15.8391, 0.3803,
0.4965


 15.8391, 0.3803,
0.4965


 228.3904, 0.3462,
0.3973


 9.4104, 0.3858,
0.5256


 36.3186, 0.3691,
0.4567


 5.0098, 0.3946,
0.5731

 51.1383, 0.3644,
0.4429

 2.2530, 0.3825,
0.6175

 69.5236, 0.3602,
0.4316

 0.7487, 0.2527,
0.7473

 91.8591, 0.3566,
0.4223

 0.0000, 0.0000,
0.0000

 118.5291, 0.3535,
0.4145

 149.9181, 0.3508,

0.4079

186.4104, 0.3484,
0.4022

15.8391, 0.3803,
0.4965

15.8391, 0.3803,
0.4965

15.6470, 0.3839,
0.5123

16.0601, 0.3744,
0.4771

15.4791, 0.3852,
0.5239

16.3099, 0.3666,
0.4548

15.3433, 0.3853,
0.5323

16.5913, 0.3573,
0.4306

16.9061, 0.3470,
0.4054

17.2557, 0.3361,
0.3801

■ 17.6419, 0.3250,
0.3554

■ 18.0659, 0.3140,
0.3317

■ 18.5291, 0.3034,
0.3095

■ 19.0328, 0.2933,
0.2888

Harmonies

Analogous

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



15.8391, 0.4533, 0.4525



15.8391, 0.3803, 0.4965



15.8391, 0.2945, 0.4836

Triad

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



15.8391, 0.3803, 0.4965



15.8391, 0.1596, 0.2304



15.8391, 0.4043, 0.2659

Complementary

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



15.8391, 0.3803, 0.4965



3.1561, 0.2016, 0.1221

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.



15.8391, 0.3093, 0.2208



15.8391, 0.3803, 0.4965



15.8391, 0.1786, 0.1983

Square

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



15.8391, 0.3803, 0.4965



15.8391, 0.1717, 0.3001



15.8391, 0.2288, 0.1968



15.8391, 0.4761, 0.3245

Rectangle

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



15.8391, 0.3803, 0.4965



15.8391, 0.2411, 0.4339



15.8391, 0.2288, 0.1968



15.8391, 0.3730, 0.2489

Sweetspot

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



15.8398, 0.3803, 0.4965



30.3155, 0.3365, 0.3810



6.3173, 0.5102, 0.3607



6.9390, 0.3388, 0.3863



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.



15.8398, 0.3803, 0.4965



27.3286, 0.3850, 0.5197



14.0101, 0.3256, 0.5315



4.2306, 0.3226, 0.3502



16.5915, 0.3851, 0.5324



80.4851, 0.3832, 0.5339

Inverse Universe

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



3.1561, 0.2016, 0.1221



3.5714, 0.1774, 0.0864



4.7686, 0.2713, 0.1552



3.6223, 0.3023, 0.3073



1.6193, 0.1626, 0.0669



7.5907, 0.1588, 0.0649

Previews

White Background



This preview shows how the Yxy color 15.8391, 0.3803, 0.4965 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 15.8391, 0.3803, 0.4965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

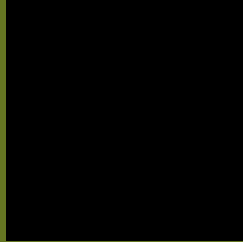
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8391, 0.3803, 0.4965

Background



This preview shows how black text looks on a background with the Yxy color 15.8391, 0.3803, 0.4965.



This preview shows how white text looks on a background with the Yxy color 15.8391, 0.3803, 0.4965.

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

15.8391, 0.3803, 0.4965

Protanopia

15.7582, 0.4234, 0.4680

Deuteranopia

15.6529, 0.4459, 0.4390



Tritanopia

15.7988, 0.3017, 0.3108

Trichromacy



Original Color

15.8391, 0.3803, 0.4965

Protanomaly

15.8574, 0.4072, 0.4785

Deuteranomaly

15.6454, 0.4222, 0.4598

Tritanomaly

15.6406, 0.3357, 0.3824

Monochromacy



Original Color

15.8391, 0.3803, 0.4965

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.1000, 0.3432, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8391, 0.3803, 0.4965 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(101, 118, 34)` looks like.

```
.text, #text, p{  
    color:rgb(101, 118, 34)  
}
```

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(101, 118, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 118, 34) }
```

Border

The CSS property to change the border of an element to Yxy 15.8391, 0.3803, 0.4965 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(101, 118, 34) }
```

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

```
.border{ border-color:rgb(101, 118, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 118, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 118, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 118, 34);  
box-shadow:4px 4px 4px 4px rgb(101, 118,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8391, 0.3803, 0.4965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 118, 34) }
```

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

```
.background{ background-color: rgb(101,  
118, 34) }
```

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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