

Converting Colors

$Y_{xy}(15.8484, 0.3763, 0.5395)$

Have a look what the booklet for
Yxy(15.8484, 0.3763, 0.5395)
contains.

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Color

Yxy(15.8484, 0.3763, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	5A7900
RGB	90, 121, 0
RGB Percent	35%, 47%, 0%
CMY	0.6470, 0.5255, 1.0000
CMYK	0.26, 0.00, 1.00, 0.53
HSL	75°, 100%, 24%
HSV	75°, 100%, 47%
XYZ	11.0542, 15.8484, 2.4735
YIQ	97.9370, 20.3650, -44.2030

Conversions

Conversions Part 2

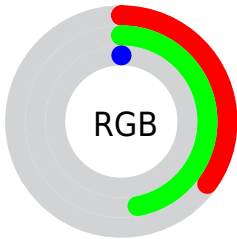
Format	Color
RYB	0, 121, 31
Decimal	5929216
CIELab	46.77, -26.52, 51.59
CIELCh	47, 58.007, 117.206
Yxy	15.8484, 0.3763, 0.5395
Android (android.graphics.Color)	4284119296 (0xFF5A7900)
YUV	97.9370, -48.2829, -6.9607
Hunter-Lab	39.8100, -20.1027, 24.1832

Details

The Yxy color **15.8484, 0.3763, 0.5395** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6717, 0.1681, 0.0700**, and the grayscale version is **12.3173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1753, 0.3707, 0.4904**, and **5.0661, 0.3492, 0.5609** is the 20% darker color. If you saturate the color by 10%, you get **15.8493, 0.3763, 0.5394**, and if you desaturate by 10%, it is **16.0348, 0.3771, 0.5291**.

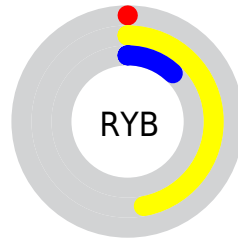
Distribution



Red (35%)

Green (47%)

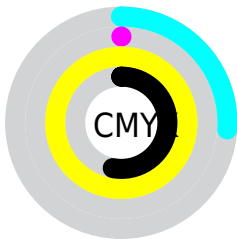
Blue (0%)



Red (0%)

Yellow (47%)

Blue (12%)

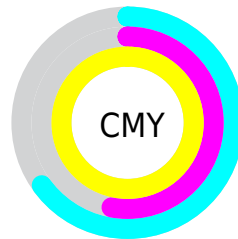


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (65%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8484, 0.3763, 0.5395 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 15.8484, 0.3763, 0.5395 by changing the saturation by 10% instead.


 15.8484, 0.3763,
0.5395


 15.8484, 0.3763,
0.5395


228.4455, 0.3492,
0.4156


 9.4169, 0.3760,
0.5737


 36.3348, 0.3700,
0.4908


 5.0141, 0.3736,
0.6264

 51.1586, 0.3663,
0.4734

 2.2556, 0.3375,
0.6625

 69.5485, 0.3627,
0.4592

 0.7500, 0.0803,
0.9197


 91.8891, 0.3594,
0.4474


 0.0000, 0.0000,
0.0000

 118.5647, 0.3564,
0.4375


 149.9597, 0.3537,


0.4291


 186.4585, 0.3513,
0.4218

 15.8484, 0.3763,
0.5395

 15.8484, 0.3763,
0.5395


 15.8493, 0.3763,
0.5394

 16.0348, 0.3771,
0.5291

 16.2400, 0.3765,
0.5160

 16.4744, 0.3735,
0.4987

 16.7405, 0.3683,
0.4778

 17.0407, 0.3613,
0.4543

■ 17.3771, 0.3527,
0.4291

■ 17.7516, 0.3432,
0.4032

■ 18.1660, 0.3331,
0.3775

■ 18.6218, 0.3229,
0.3526

Harmonies

Analogous

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



15.8484, 0.4692, 0.4785



15.8484, 0.3763, 0.5395



15.8484, 0.2738, 0.5228

Triad

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



15.8484, 0.3763, 0.5395



15.8484, 0.1318, 0.2008



15.8484, 0.4387, 0.2579

Complementary

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



15.8484, 0.3763, 0.5395



1.6717, 0.1681, 0.0700

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.



15.8484, 0.3188, 0.2040



15.8484, 0.3763, 0.5395



15.8484, 0.1571, 0.1706

Square

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



15.8484, 0.3763, 0.5395



15.8484, 0.1398, 0.2774



15.8484, 0.2183, 0.1735



15.8484, 0.5221, 0.3254

Rectangle

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



15.8484, 0.3763, 0.5395



15.8484, 0.2123, 0.4513



15.8484, 0.2183, 0.1735



15.8484, 0.3996, 0.2379

Sweetspot

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



15.8493, 0.3763, 0.5394



31.7349, 0.3440, 0.4052



5.0063, 0.6017, 0.3605



7.2032, 0.3472, 0.4139



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.



15.8493, 0.3763, 0.5394



28.3121, 0.3752, 0.5403



13.9549, 0.3122, 0.5903



4.5847, 0.3219, 0.3504



16.9791, 0.3761, 0.5396



80.5691, 0.3739, 0.5414

Inverse Universe

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



1.6717, 0.1681, 0.0700



2.9331, 0.1661, 0.0689



3.5920, 0.2606, 0.1209



3.9386, 0.3030, 0.3072



1.7865, 0.1678, 0.0698



8.1689, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 15.8484, 0.3763, 0.5395 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 15.8484, 0.3763, 0.5395 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 15.8484, 0.3763, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 15.8484, 0.3763, 0.5395.



This preview shows how white text looks on a background with the Yxy color 15.8484, 0.3763, 0.5395.

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

15.8484, 0.3763, 0.5395

Protanopia

15.7289, 0.4397, 0.4891

Deuteranopia

15.6500, 0.4601, 0.4544



Tritanopia

15.7355, 0.2882, 0.3103

Trichromacy



Original Color

15.8484, 0.3763, 0.5395

Protanomaly

15.7062, 0.4150, 0.5087

Deuteranomaly

15.4655, 0.4293, 0.4864

Tritanomaly

15.3387, 0.3345, 0.4138

Monochromacy



Original Color

15.8484, 0.3763, 0.5395

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.0888, 0.3540, 0.4313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8484, 0.3763, 0.5395 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(90, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 121, 0)  
}
```

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(90, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.8484, 0.3763, 0.5395 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(90, 121, 0) }
```

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

```
.border{ border-color:rgb(90, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 121, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8484, 0.3763, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 121, 0) }
```

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

```
.background{ background-color: rgb(90, 121,  
0) }
```

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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