

Converting Colors

$Y_{xy}(15.1991, 0.3883, 0.5600)$

Have a look what the booklet for
Yxy(15.1991, 0.3883, 0.5600)
contains.

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Color

Yxy(15.3175, 0.3770, 0.5389)

Conversions

Conversions Part 1

Format	Color
Hex	597700
RGB	89, 119, 0
RGB Percent	35%, 47%, 0%
CMY	0.6510, 0.5333, 1.0000
CMYK	0.25, 0.00, 1.00, 0.53
HSL	75°, 100%, 23%
HSV	75°, 100%, 47%
XYZ	10.7157, 15.3175, 2.3904
YIQ	96.4640, 20.3190, -43.3690

Conversions

Conversions Part 2

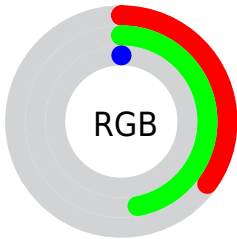
Format	Color
RYB	0, 119, 30
Decimal	5863168
CIELab	46.07, -25.98, 51.01
CIElCh	46, 57.244, 116.992
Yxy	15.3175, 0.3770, 0.5389
Android (android.graphics.Color)	4284053248 (0xFF597700)
YUV	96.4640, -47.5568, -6.5459
Hunter-Lab	39.1376, -19.6182, 23.7750

Details

The Yxy color **15.3175, 0.3770, 0.5389** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6083, 0.1678, 0.0698**, and the grayscale version is **11.9306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3243, 0.3709, 0.4891**, and **4.7924, 0.3497, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **15.3183, 0.3770, 0.5389**, and if you desaturate by 10%, it is **15.4961, 0.3777, 0.5284**.

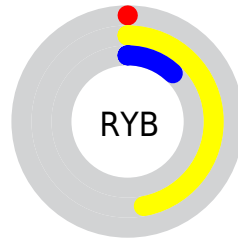
Distribution



Red (35%)

Green (47%)

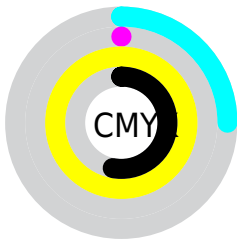
Blue (0%)



Red (0%)

Yellow (47%)

Blue (12%)

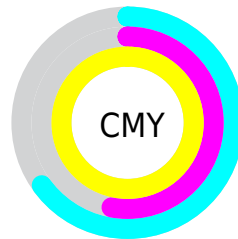


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3175, 0.3770, 0.5389 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 15.3175, 0.3770, 0.5389 by changing the saturation by 10% instead.

15.3175, 0.3770,
0.5389

15.3175, 0.3770,
0.5389

225.2800, 0.3492,
0.4148

9.0425, 0.3769,
0.5736

35.4092, 0.3705,
0.4900

4.7689, 0.3741,
0.6259

49.9947, 0.3666,
0.4726

2.1123, 0.3373,
0.6627

68.1192, 0.3629,
0.4583

0.6715, 0.0060,
0.9940


90.1671, 0.3596,
0.4466


0.0000, 0.0000,
0.0000


116.5227, 0.3565,
0.4367


147.5704, 0.3538,


0.4283


 183.6948, 0.3514,
0.4211


 15.3175, 0.3770,
0.5389


 15.3175, 0.3770,
0.5389


 15.3183, 0.3770,
0.5389

 15.4961, 0.3777,
0.5284

 15.6926, 0.3770,
0.5154

 15.9169, 0.3739,
0.4981

 16.1715, 0.3687,
0.4774

 16.4589, 0.3615,
0.4539

■ 16.7808, 0.3529,
0.4288

■ 17.1392, 0.3434,
0.4030

■ 17.5358, 0.3332,
0.3774

■ 17.9720, 0.3229,
0.3526

Harmonies

Analogous

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



15.3175, 0.4696, 0.4778



15.3175, 0.3770, 0.5389



15.3175, 0.2746, 0.5229

Triad

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



15.3175, 0.3770, 0.5389



15.3175, 0.1320, 0.2014



15.3175, 0.4377, 0.2576

Complementary

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



15.3175, 0.3770, 0.5389



1.6083, 0.1678, 0.0698

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.



15.3175, 0.3180, 0.2039



15.3175, 0.3770, 0.5389



15.3175, 0.1570, 0.1709

Square

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



15.3175, 0.3770, 0.5389



15.3175, 0.1402, 0.2782



15.3175, 0.2179, 0.1736



15.3175, 0.5214, 0.3250

Rectangle

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



15.3175, 0.3770, 0.5389



15.3175, 0.2130, 0.4520



15.3175, 0.2179, 0.1736



15.3175, 0.3986, 0.2376

Sweetspot

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



15.3183, 0.3770, 0.5389



30.6373, 0.3441, 0.4050



4.8383, 0.6014, 0.3607



7.2074, 0.3475, 0.4138



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.



15.3183, 0.3770, 0.5389



27.3609, 0.3759, 0.5397



13.4672, 0.3123, 0.5902



4.2220, 0.3219, 0.3502



16.2686, 0.3769, 0.5390



78.8574, 0.3746, 0.5408

Inverse Universe

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



1.6083, 0.1678, 0.0698



2.8210, 0.1658, 0.0687



3.4685, 0.2607, 0.1210



3.6304, 0.3030, 0.3073



1.7044, 0.1676, 0.0697



7.9536, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 15.3175, 0.3770, 0.5389 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 15.3175, 0.3770, 0.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

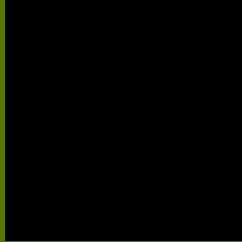
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3175, 0.3770, 0.5389

Background



This preview shows how black text looks on a background with the Yxy color 15.3175, 0.3770, 0.5389.



This preview shows how white text looks on a background with the Yxy color 15.3175, 0.3770, 0.5389.

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

15.3175, 0.3770, 0.5389

Protanopia

15.1482, 0.4400, 0.4888

Deuteranopia

15.0768, 0.4605, 0.4534



Tritanopia

15.4101, 0.2891, 0.3122

Trichromacy



Original Color

15.3175, 0.3770, 0.5389

Protanomaly

15.1898, 0.4164, 0.5076

Deuteranomaly

14.9621, 0.4308, 0.4849

Tritanomaly

15.0432, 0.3347, 0.4145

Monochromacy



Original Color

15.3175, 0.3770, 0.5389

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.5647, 0.3534, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3175, 0.3770, 0.5389 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(89, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 119, 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(89, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.3175, 0.3770, 0.5389 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(89, 119, 0) }
```

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

```
.border{ border-color:rgb(89, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 119, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.3175, 0.3770, 0.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 119, 0) }
```

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

```
.background{ background-color: rgb(89, 119,  
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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