

Converting Colors

$Y_{xy}(16.3038, 0.3911, 0.5286)$

Have a look what the booklet for
Yxy(16.3038, 0.3911, 0.5286)
contains.

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Color

Yxy(16.3841, 0.3901, 0.5285)

Conversions

Conversions Part 1

Format	Color
Hex	647900
RGB	100, 121, 0
RGB Percent	39%, 47%, 0%
CMY	0.6078, 0.5255, 1.0000
CMYK	0.17, 0.00, 1.00, 0.53
HSL	70°, 100%, 24%
HSV	70°, 100%, 47%
XYZ	12.0935, 16.3841, 2.5235
YIQ	100.9270, 26.3250, -42.0830

Conversions

Conversions Part 2

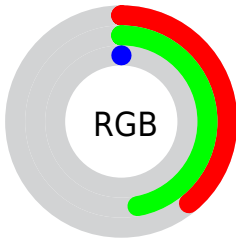
Format	Color
RYB	0, 121, 21
Decimal	6584576
CIELab	47.47, -22.11, 52.42
CIELCh	47, 56.890, 112.874
Yxy	16.3841, 0.3901, 0.5285
Android (android.graphics.Color)	4284774656 (0xFF647900)
YUV	100.9270, -49.7570, -0.8130
Hunter-Lab	40.4773, -17.5041, 24.6378

Details

The Yxy color **16.3841, 0.3901, 0.5285** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5398, 0.1601, 0.0656**, and the grayscale version is **13.1208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1273, 0.3801, 0.4834**, and **5.2877, 0.3694, 0.5449** is the 20% darker color. If you saturate the color by 10%, you get **16.3849, 0.3901, 0.5285**, and if you desaturate by 10%, it is **16.5330, 0.3896, 0.5196**.

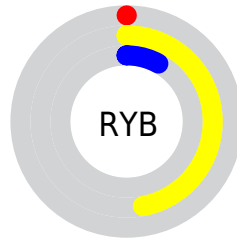
Distribution



Red (39%)

Green (47%)

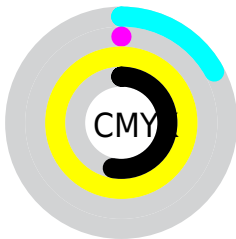
Blue (0%)



Red (0%)

Yellow (47%)

Blue (8%)

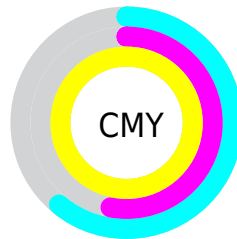


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (61%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3841, 0.3901, 0.5285 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 16.3841, 0.3901, 0.5285 by changing the saturation by 10% instead.


 16.3841, 0.3901,
0.5285


 16.3841, 0.3901,
0.5285


 231.5977, 0.3547,
0.4133

 9.7964, 0.3925,
0.5589


 37.2637, 0.3804,
0.4841


 5.2641, 0.3947,
0.6053

 52.3244, 0.3755,
0.4680

 2.4031, 0.3659,
0.6341

 70.9782, 0.3710,
0.4547

 0.8275, 0.2296,
0.7704


 93.6095, 0.3670,
0.4436


 0.0000, 0.0000,
0.0000

 120.6027, 0.3633,
0.4342


 152.3422, 0.3601,


0.4262

 189.2124, 0.3573,
0.4193

 16.3841, 0.3901,
0.5285


 16.3841, 0.3901,
0.5285


 16.3849, 0.3901,
0.5285

 16.5330, 0.3896,
0.5196

 16.6974, 0.3876,
0.5081

 16.8873, 0.3832,
0.4925

 17.1055, 0.3767,
0.4733

 17.3541, 0.3682,
0.4512

■ 17.6354, 0.3582,
0.4272

■ 17.9510, 0.3472,
0.4022

■ 18.3027, 0.3358,
0.3771

■ 18.6921, 0.3242,
0.3525

Harmonies

Analogous

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



16.3841, 0.4773, 0.4652



16.3841, 0.3901, 0.5285



16.3841, 0.2899, 0.5253

Triad

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



16.3841, 0.3901, 0.5285



16.3841, 0.1348, 0.2120



16.3841, 0.4190, 0.2511

Complementary

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



16.3841, 0.3901, 0.5285



1.5398, 0.1601, 0.0656

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.



16.3841, 0.3027, 0.2010



16.3841, 0.3901, 0.5285



16.3841, 0.1550, 0.1763

Square

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



16.3841, 0.3901, 0.5285



16.3841, 0.1480, 0.2947



16.3841, 0.2097, 0.1748



16.3841, 0.5087, 0.3163

Rectangle

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



16.3841, 0.3901, 0.5285



16.3841, 0.2274, 0.4650



16.3841, 0.2097, 0.1748



16.3841, 0.3802, 0.2322

Sweetspot

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



16.3849, 0.3901, 0.5285



32.1002, 0.3481, 0.4041



4.5713, 0.6183, 0.3473



7.2950, 0.3518, 0.4126



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.



16.3849, 0.3901, 0.5285



29.2871, 0.3893, 0.5291



14.1329, 0.3195, 0.5845



4.6005, 0.3231, 0.3503



17.5544, 0.3900, 0.5285



83.4089, 0.3884, 0.5298

Inverse Universe

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



1.5398, 0.1601, 0.0656



2.7109, 0.1585, 0.0647



3.1152, 0.2412, 0.1102



3.9239, 0.3018, 0.3071



1.6463, 0.1599, 0.0654



7.5878, 0.1566, 0.0637

Previews

White Background



This preview shows how the Yxy color 16.3841, 0.3901, 0.5285 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 16.3841, 0.3901, 0.5285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

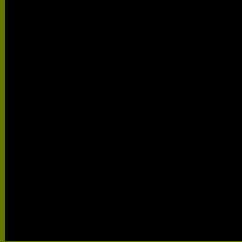
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3841, 0.3901, 0.5285

Background



This preview shows how black text looks on a background with the Yxy color 16.3841, 0.3901, 0.5285.



This preview shows how white text looks on a background with the Yxy color 16.3841, 0.3901, 0.5285.

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

16.3841, 0.3901, 0.5285

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.3203, 0.4615, 0.4552



Tritanopia

16.2838, 0.2994, 0.3110

Trichromacy



Original Color

16.3841, 0.3901, 0.5285

Protanomaly

16.2727, 0.4207, 0.5041

Deuteranomaly

16.1294, 0.4368, 0.4819

Tritanomaly

15.8615, 0.3471, 0.4104

Monochromacy



Original Color

16.3841, 0.3901, 0.5285

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8620, 0.3594, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3841, 0.3901, 0.5285 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(100, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3841, 0.3901, 0.5285 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(100, 121, 0) }
```

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

```
.border{ border-color:rgb(100, 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(100, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 121,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3841, 0.3901, 0.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 121, 0) }
```

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

```
.background{ background-color: rgb(100,  
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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