

Converting Colors

$Y_{xy}(16.3491, 0.5288, 0.3896)$

Have a look what the booklet for
Yxy(16.3491, 0.5288, 0.3896)
contains.

Yxy(16.3491, 0.5288, 0.3896)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3491, 0.5288, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	B35621
RGB	179, 86, 33
RGB Percent	70%, 34%, 13%
CMY	0.2981, 0.6627, 0.8706
CMYK	0.00, 0.52, 0.82, 0.30
HSL	22°, 69%, 42%
HSV	22°, 82%, 70%
XYZ	22.1905, 16.3491, 3.4242
YIQ	107.7650, 72.4410, 3.2330

Conversions

Conversions Part 2

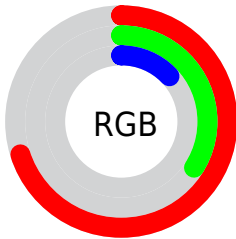
Format	Color
RYB	179, 116, 33
Decimal	11752993
CIELab	47.43, 34.48, 46.23
CIELCh	47, 57.671, 53.286
Yxy	16.3491, 0.5288, 0.3896
Android (android.graphics.Color)	4289943073 (0xFFB35621)
YUV	107.7650, -36.8591, 62.4731
Hunter-Lab	40.4340, 27.2025, 23.2827

Details

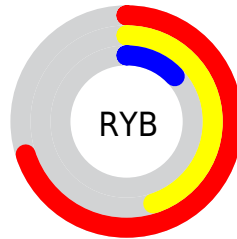
The Yxy color **16.3491, 0.5288, 0.3896** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.4896, 0.2026, 0.2309**, and the grayscale version is **15.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3114, 0.4819, 0.3863**, and **5.3162, 0.5877, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **14.5973, 0.5581, 0.3850**, and if you desaturate by 10%, it is **18.4463, 0.4959, 0.3893**.

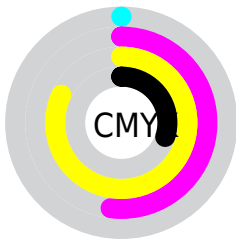
Distribution



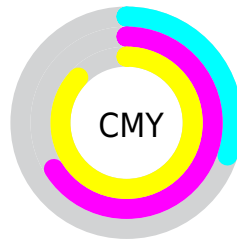
- Red (70%)
- Green (34%)
- Blue (13%)



- Red (70%)
- Yellow (45%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (82%)
- Black (30%)




- Cyan (30%)
- Magenta (66%)
- Yellow (87%)
- Black (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3491, 0.5288, 0.3896 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 16.3491, 0.5288, 0.3896 by changing the saturation by 10% instead.


 16.3491, 0.5288,
0.3896


 16.3491, 0.5288,
0.3896


231.3930, 0.4071,
0.3678


 9.7715, 0.5601,
0.3877


 37.2032, 0.4828,
0.3859


 5.2477, 0.6088,
0.3857

 52.2485, 0.4658,
0.3830

 2.3933, 0.6440,
0.3560

 70.8852, 0.4517,
0.3801

 0.8225, 0.6968,
0.3032

 93.4977, 0.4399,
0.3772


 0.0000, 1.0000,
0.0000

 120.4703, 0.4298,
0.3746

 0.0000, 0.0000,
0.0000


 152.1874, 0.4212,


0.3721


 189.0335, 0.4137,
0.3699


 16.3491, 0.5288,
0.3896


 16.3491, 0.5288,
0.3896


 14.5973, 0.5581,
0.3850


 18.4463, 0.4959,
0.3893

 13.3634, 0.5794,
0.3781

 20.9064, 0.4622,
0.3849

 23.7487, 0.4299,
0.3776

 26.9900, 0.4003,
0.3686

 30.6461, 0.3742,
0.3588

■ 34.7318, 0.3514,
0.3490

■ 39.2611, 0.3318,
0.3394

■ 44.2474, 0.3151,
0.3304

■ 49.7034, 0.3008,
0.3220

Harmonies

Analogous

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



16.3491, 0.5122, 0.3168



16.3491, 0.5288, 0.3896



16.3491, 0.4778, 0.4673

Triad

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



16.3491, 0.5288, 0.3896



16.3491, 0.1982, 0.4221



16.3491, 0.2095, 0.1733

Complementary

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



16.3491, 0.5288, 0.3896



18.4896, 0.2026, 0.2309

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.



16.3491, 0.1538, 0.1744



16.3491, 0.5288, 0.3896



16.3491, 0.1457, 0.2924

Square

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



16.3491, 0.5288, 0.3896



16.3491, 0.2878, 0.5278



16.3491, 0.1330, 0.2096



16.3491, 0.3040, 0.2002

Rectangle

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



16.3491, 0.5288, 0.3896



16.3491, 0.4211, 0.5143



16.3491, 0.1330, 0.2096



16.3491, 0.1867, 0.1704

Sweetspot

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



16.3500, 0.5288, 0.3896



60.0571, 0.3575, 0.3518



12.2250, 0.4055, 0.2153



12.7314, 0.3655, 0.3552



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.3500, 0.5288, 0.3896



24.0286, 0.5777, 0.3777



33.8355, 0.4350, 0.4758



8.9938, 0.3278, 0.3373



9.5590, 0.5773, 0.3798



0.4141, 0.5239, 0.4222

Inverse Universe

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



18.4896, 0.2026, 0.2309



27.4989, 0.1909, 0.2063



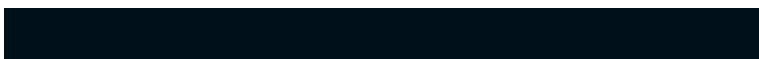
6.2994, 0.1694, 0.1054



9.1021, 0.2986, 0.3205



10.9294, 0.1909, 0.2073



0.4501, 0.2015, 0.2452

Previews

White Background



This preview shows how the Yxy color 16.3491, 0.5288, 0.3896 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 16.3491, 0.5288, 0.3896 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 16.3491, 0.5288, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 16.3491, 0.5288, 0.3896.



This preview shows how white text looks on a background with the Yxy color 16.3491, 0.5288, 0.3896.

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

16.3491, 0.5288, 0.3896

Protanopia

16.3991, 0.4174, 0.4596

Deuteranopia

16.3364, 0.4592, 0.4522



Tritanopia

16.3805, 0.4663, 0.3226

Trichromacy



Original Color

16.3491, 0.5288, 0.3896

Protanomaly

15.8538, 0.4602, 0.4327

Deuteranomaly

15.9761, 0.4865, 0.4273

Tritanomaly

16.2951, 0.4934, 0.3507

Monochromacy



Original Color

16.3491, 0.5288, 0.3896

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.7768, 0.3924, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3491, 0.5288, 0.3896 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(179, 86, 33)` looks like.

```
.text, #text, p{  
  color:rgb(179, 86, 33)  
}
```

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(179, 86, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 86, 33) }
```

Border

The CSS property to change the border of an element to Yxy 16.3491, 0.5288, 0.3896 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(179, 86, 33) }
```

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

```
.border{ border-color:rgb(179, 86, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 86, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 86, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 86, 33);  
box-shadow:4px 4px 4px 4px rgb(179, 86,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3491, 0.5288, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 86, 33) }
```

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

```
.background{ background-color: rgb(179, 86,  
33) }
```

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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