

Converting Colors

$Y_{xy}(16.3585, 0.5356, 0.3790)$

Have a look what the booklet for
Yxy(16.3585, 0.5356, 0.3790)
contains.

Yxy(16.3585, 0.5356, 0.3790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3585, 0.5356, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	B85225
RGB	184, 82, 37
RGB Percent	72%, 32%, 15%
CMY	0.2784, 0.6784, 0.8551
CMYK	0.00, 0.55, 0.80, 0.28
HSL	18°, 67%, 43%
HSV	18°, 80%, 72%
XYZ	23.1177, 16.3585, 3.6861
YIQ	107.3680, 75.2370, 7.6290

Conversions

Conversions Part 2

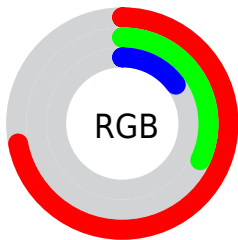
Format	Color
RYB	184, 102, 37
Decimal	12079653
CIELab	47.44, 38.65, 44.68
CIELCh	47, 59.082, 49.137
Yxy	16.3585, 0.5356, 0.3790
Android (android.graphics.Color)	4290269733 (0xFFB85225)
YUV	107.3680, -34.6914, 67.2063
Hunter-Lab	40.4456, 31.2462, 22.9085

Details

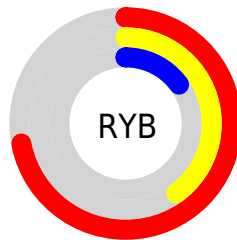
The Yxy color **16.3585, 0.5356, 0.3790** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.3043, 0.2080, 0.2489**, and the grayscale version is **14.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2989, 0.4879, 0.3778**, and **5.2651, 0.6021, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **14.5223, 0.5678, 0.3744**, and if you desaturate by 10%, it is **18.6128, 0.4996, 0.3790**.

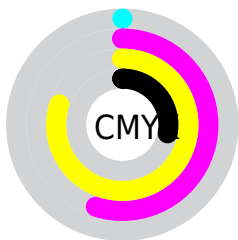
Distribution



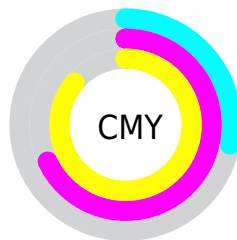
- Red (72%)
- Green (32%)
- Blue (15%)



- Red (72%)
- Yellow (40%)
- Blue (15%)



- Cyan (0%)
- Magenta (55%)
- Yellow (80%)
- Black (28%)





- Cyan (28%)
- Magenta (68%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3585, 0.5356, 0.3790 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 16.3585, 0.5356, 0.3790 by changing the saturation by 10% instead.


 16.3585, 0.5356,
0.3790


 16.3585, 0.5356,
0.3790


231.4480, 0.4095,
0.3634


 9.7782, 0.5685,
0.3756


 37.2195, 0.4876,
0.3777


 5.2521, 0.6172,
0.3698

 52.2689, 0.4700,
0.3756

 2.3960, 0.6597,
0.3403

 70.9102, 0.4554,
0.3734

 0.8238, 0.7156,
0.2844

 93.5277, 0.4432,
0.3712

 0.0000, 1.0000,
0.0000

 120.5058, 0.4329,
0.3690

 0.0000, 0.0000,
0.0000

 152.2290, 0.4240,

0.3670

189.0816, 0.4163,
0.3651

16.3585, 0.5356,
0.3790

16.3585, 0.5356,
0.3790

14.5223, 0.5678,
0.3744

18.6128, 0.4996,
0.3790

13.0659, 0.5943,
0.3662

21.3085, 0.4633,
0.3753

13.0546, 0.5945,
0.3661

24.4702, 0.4291,
0.3690

28.1196, 0.3984,
0.3613

32.2772, 0.3715,
0.3529

■ 36.9620, 0.3486,
0.3446

■ 42.1920, 0.3291,
0.3365

■ 47.9846, 0.3126,
0.3289

■ 54.3561, 0.2987,
0.3219

Harmonies

Analogous

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



16.3585, 0.5081, 0.3062



16.3585, 0.5356, 0.3790



16.3585, 0.4905, 0.4579

Triad

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



16.3585, 0.5356, 0.3790



16.3585, 0.2062, 0.4437



16.3585, 0.1972, 0.1690

Complementary

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



16.3585, 0.5356, 0.3790



22.3043, 0.2080, 0.2489

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.



16.3585, 0.1461, 0.1741



16.3585, 0.5356, 0.3790



16.3585, 0.1472, 0.3072

Square

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



16.3585, 0.5356, 0.3790



16.3585, 0.3007, 0.5403



16.3585, 0.1296, 0.2153



16.3585, 0.2881, 0.1925

Rectangle

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



16.3585, 0.5356, 0.3790



16.3585, 0.4352, 0.5085



16.3585, 0.1296, 0.2153



16.3585, 0.1760, 0.1673

Sweetspot

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



16.3594, 0.5356, 0.3790



63.0718, 0.3584, 0.3483



13.4010, 0.3895, 0.2075



12.9584, 0.3667, 0.3513



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.3594, 0.5356, 0.3790



24.2438, 0.5880, 0.3678



33.6303, 0.4413, 0.4674



9.4490, 0.3280, 0.3361



9.1089, 0.5923, 0.3679



0.4341, 0.5404, 0.4091

Inverse Universe

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



22.3043, 0.2080, 0.2489



34.7862, 0.1974, 0.2286



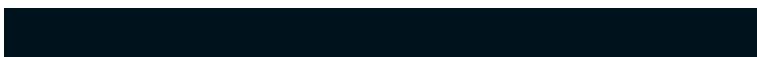
7.7929, 0.1740, 0.1191



9.7337, 0.2985, 0.3218



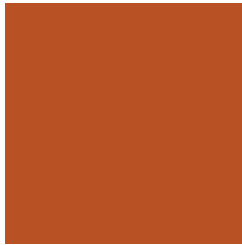
13.0880, 0.1965, 0.2273



0.5654, 0.2046, 0.2566

Previews

White Background



This preview shows how the Yxy color 16.3585, 0.5356, 0.3790 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 16.3585, 0.5356, 0.3790 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 16.3585, 0.5356, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 16.3585, 0.5356, 0.3790.



This preview shows how white text looks on a background with the Yxy color 16.3585, 0.5356, 0.3790.

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

16.3585, 0.5356, 0.3790

Protanopia

16.4353, 0.4129, 0.4530

Deuteranopia

16.3500, 0.4573, 0.4498



Tritanopia

16.3561, 0.4824, 0.3230

Trichromacy



Original Color

16.3585, 0.5356, 0.3790

Protanomaly

15.8730, 0.4597, 0.4242

Deuteranomaly

16.0024, 0.4882, 0.4219

Tritanomaly

16.2996, 0.5047, 0.3458

Monochromacy



Original Color

16.3585, 0.5356, 0.3790

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.4955, 0.3939, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3585, 0.5356, 0.3790 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(184, 82, 37)` looks like.

```
.text, #text, p{  
  color:rgb(184, 82, 37)  
}
```

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(184, 82, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 82, 37) }
```

Border

The CSS property to change the border of an element to Yxy 16.3585, 0.5356, 0.3790 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(184, 82, 37) }
```

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

```
.border{ border-color:rgb(184, 82, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 82, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 82, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 82, 37);  
box-shadow:4px 4px 4px 4px rgb(184, 82,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3585, 0.5356, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 82, 37) }
```

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

```
.background{ background-color: rgb(184, 82,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor