

Converting Colors

$Y_{xy}(16.6232, 0.5370, 0.3837)$

Have a look what the booklet for
Yxy(16.6232, 0.5370, 0.3837)
contains.

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Color

Yxy(16.6408, 0.5363, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	B85421
RGB	184, 84, 33
RGB Percent	72%, 33%, 13%
CMY	0.2785, 0.6705, 0.8706
CMYK	0.00, 0.54, 0.82, 0.28
HSL	20°, 70%, 43%
HSV	20°, 82%, 72%
XYZ	23.2106, 16.6408, 3.4277
YIQ	108.0860, 75.9710, 5.3390

Conversions

Conversions Part 2

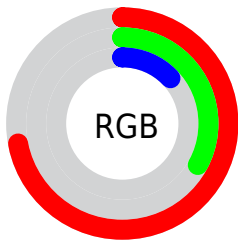
Format	Color
RYB	184, 110, 33
Decimal	12080161
CIELab	47.80, 37.51, 46.86
CIElCh	48, 60.020, 51.324
Yxy	16.6408, 0.5363, 0.3845
Android (android.graphics.Color)	4290270241 (0xFFB85421)
YUV	108.0860, -37.0174, 66.5766
Hunter-Lab	40.7931, 30.1753, 23.5733

Details

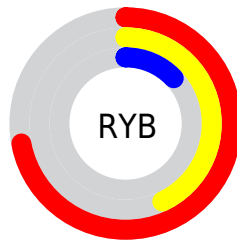
The Yxy color **16.6408, 0.5363, 0.3845** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.5540, 0.2040, 0.2374**, and the grayscale version is **15.1129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8103, 0.4888, 0.3824**, and **5.4291, 0.5965, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **14.8354, 0.5663, 0.3792**, and if you desaturate by 10%, it is **18.8334, 0.5022, 0.3849**.

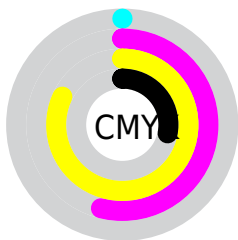
Distribution



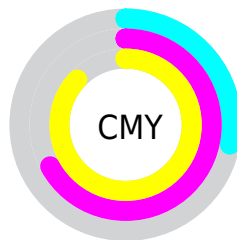
- Red (72%)
- Green (33%)
- Blue (13%)



- Red (72%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (54%)
- Yellow (82%)
- Black (28%)





- Cyan (28%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6408, 0.5363, 0.3845 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 16.6408, 0.5363, 0.3845 by changing the saturation by 10% instead.


 16.6408, 0.5363,
0.3845


 16.6408, 0.5363,
0.3845


233.0938, 0.4108,
0.3665


 9.9787, 0.5683,
0.3814


 37.7071, 0.4890,
0.3825


 5.3849, 0.6175,
0.3772

 52.8802, 0.4715,
0.3802

 2.4748, 0.6539,
0.3461

 71.6590, 0.4570,
0.3776

 0.8640, 0.7077,
0.2923

 94.4281, 0.4447,
0.3751


 0.0000, 1.0000,
0.0000

 121.5717, 0.4343,
0.3727


 0.0000, 0.0000,
0.0000

 153.4742, 0.4254,

0.3705


 190.5201, 0.4176,
0.3684


 16.6408, 0.5363,
0.3845


 16.6408, 0.5363,
0.3845


 14.8354, 0.5663,
0.3792


 18.8334, 0.5022,
0.3849

 13.6518, 0.5865,
0.3725

 21.4343, 0.4673,
0.3813

 24.4659, 0.4337,
0.3747

 27.9480, 0.4032,
0.3664

 31.8991, 0.3762,
0.3573

■ 36.3365, 0.3528,
0.3481

■ 41.2768, 0.3329,
0.3391

■ 46.7354, 0.3159,
0.3307

■ 52.7274, 0.3015,
0.3228

Harmonies

Analogous

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



16.6408, 0.5148, 0.3109



16.6408, 0.5363, 0.3845



16.6408, 0.4863, 0.4643

Triad

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



16.6408, 0.5363, 0.3845



16.6408, 0.1993, 0.4348



16.6408, 0.2015, 0.1686

Complementary

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



16.6408, 0.5363, 0.3845



20.5540, 0.2040, 0.2374

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.



16.6408, 0.1474, 0.1715



16.6408, 0.5363, 0.3845



16.6408, 0.1433, 0.2981

Square

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



16.6408, 0.5363, 0.3845



16.6408, 0.2927, 0.5393



16.6408, 0.1284, 0.2097



16.6408, 0.2959, 0.1942

Rectangle

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



16.6408, 0.5363, 0.3845



16.6408, 0.4290, 0.5147



16.6408, 0.1284, 0.2097



16.6408, 0.1792, 0.1662

Sweetspot

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



16.6417, 0.5363, 0.3845



63.0766, 0.3603, 0.3512



12.9890, 0.4016, 0.2122



12.9942, 0.3684, 0.3544



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.



16.6417, 0.5363, 0.3845



24.8478, 0.5848, 0.3722



35.0358, 0.4383, 0.4739



9.4949, 0.3280, 0.3368



9.5285, 0.5843, 0.3743



0.4533, 0.5334, 0.4147

Inverse Universe

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



20.5540, 0.2040, 0.2374



31.5643, 0.1934, 0.2151



6.8269, 0.1695, 0.1071



9.6857, 0.2985, 0.3211



12.0855, 0.1934, 0.2161



0.5355, 0.2024, 0.2487

Previews

White Background



This preview shows how the Yxy color 16.6408, 0.5363, 0.3845 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 16.6408, 0.5363, 0.3845 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 16.6408, 0.5363, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 16.6408, 0.5363, 0.3845.



This preview shows how white text looks on a background with the Yxy color 16.6408, 0.5363, 0.3845.

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

16.6408, 0.5363, 0.3845

Protanopia

16.7067, 0.4168, 0.4590

Deuteranopia

16.7163, 0.4615, 0.4533



Tritanopia

16.6712, 0.4774, 0.3229

Trichromacy



Original Color

16.6408, 0.5363, 0.3845

Protanomaly

16.1363, 0.4634, 0.4294

Deuteranomaly

16.3737, 0.4920, 0.4250

Tritanomaly

16.5808, 0.5040, 0.3496

Monochromacy



Original Color

16.6408, 0.5363, 0.3845

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.7520, 0.3962, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6408, 0.5363, 0.3845 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, 84, 33)` looks like.

```
.text, #text, p{  
    color:rgb(184, 84, 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(184, 84, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 84, 33) }
```

Border

The CSS property to change the border of an element to Yxy 16.6408, 0.5363, 0.3845 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, 84, 33) }
```

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

```
.border{ border-color:rgb(184, 84, 33) }
```

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

Here you see how a box with a 4 pixel rgb(184, 84, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 84, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 84, 33);  
box-shadow:4px 4px 4px 4px rgb(184, 84,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6408, 0.5363, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 84, 33) }
```

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

```
.background{ background-color: rgb(184, 84,  
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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