

Converting Colors

$Y_{xy}(16.6427, 0.5310, 0.3654)$

Have a look what the booklet for
Yxy(16.6427, 0.5310, 0.3654)
contains.

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Color

Yxy(16.6421, 0.5303, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	BC5030
RGB	188, 80, 48
RGB Percent	74%, 31%, 19%
CMY	0.2628, 0.6862, 0.8117
CMYK	0.00, 0.57, 0.74, 0.26
HSL	14°, 59%, 46%
HSV	14°, 74%, 74%
XYZ	24.1392, 16.6421, 4.7386
YIQ	108.6440, 74.6400, 12.9440

Conversions

Conversions Part 2

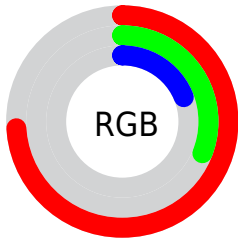
Format	Color
RYB	188, 89, 48
Decimal	12341296
CIELab	47.81, 41.61, 39.66
CIElCh	48, 57.487, 43.623
Yxy	16.6421, 0.5303, 0.3656
Android (android.graphics.Color)	4290531376 (0xFFBC5030)
YUV	108.6440, -29.8975, 69.5952
Hunter-Lab	40.7947, 34.2320, 21.6693

Details

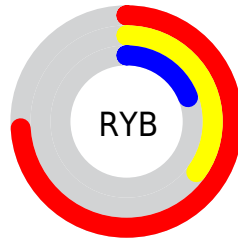
The Yxy color **16.6421, 0.5303, 0.3656** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **28.0337, 0.2174, 0.2748**, and the grayscale version is **15.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6710, 0.4826, 0.3651**, and **5.3753, 0.6098, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **14.6195, 0.5679, 0.3628**, and if you desaturate by 10%, it is **19.1907, 0.4903, 0.3648**.

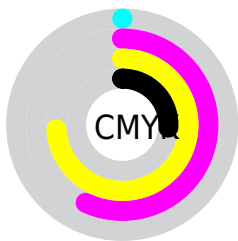
Distribution



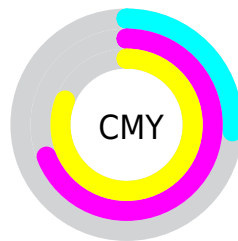
- Red (74%)
- Green (31%)
- Blue (19%)



- Red (74%)
- Yellow (35%)
- Blue (19%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (26%)




- Cyan (26%)
- Magenta (69%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6421, 0.5303, 0.3656 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 16.6421, 0.5303, 0.3656 by changing the saturation by 10% instead.


 16.6421, 0.5303,
0.3656


 16.6421, 0.5303,
0.3656

 233.1014, 0.4059,
0.3558


 9.9796, 0.5642,
0.3618


 37.7094, 0.4822,
0.3658


 5.3855, 0.6094,
0.3527

 52.8830, 0.4648,
0.3645

 2.4752, 0.6688,
0.3312

 71.6625, 0.4505,
0.3630

 0.8642, 0.7253,
0.2747

 94.4322, 0.4386,
0.3615

 0.0000, 1.0000,
0.0000

 121.5766, 0.4285,
0.3599

 0.0000, 0.0000,
0.0000

 153.4799, 0.4199,

0.3585

190.5267, 0.4124,
0.3571

■ 16.6421, 0.5303,
0.3656

■ 16.6421, 0.5303,
0.3656

■ 14.6195, 0.5679,
0.3628

■ 19.1907, 0.4903,
0.3648

■ 13.0814, 0.5984,
0.3562

■ 22.2970, 0.4515,
0.3612

■ 12.4153, 0.6123,
0.3520

■ 25.9933, 0.4164,
0.3560

■ 30.3087, 0.3858,
0.3499

■ 35.2702, 0.3598,
0.3436

■ 40.9033, 0.3380,
0.3374

■ 47.2319, 0.3198,
0.3315

■ 54.2789, 0.3047,
0.3260

■ 62.0661, 0.2921,
0.3210

Harmonies

Analogous

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



16.6421, 0.4884, 0.2950



16.6421, 0.5303, 0.3656



16.6421, 0.4986, 0.4418

Triad

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



16.6421, 0.5303, 0.3656



16.6421, 0.2248, 0.4628



16.6421, 0.1883, 0.1715

Complementary

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



16.6421, 0.5303, 0.3656



28.0337, 0.2174, 0.2748

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.



16.6421, 0.1446, 0.1826



16.6421, 0.5303, 0.3656



16.6421, 0.1591, 0.3308

Square

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



16.6421, 0.5303, 0.3656



16.6421, 0.3207, 0.5384



16.6421, 0.1344, 0.2313



16.6421, 0.2699, 0.1896

Rectangle

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



16.6421, 0.5303, 0.3656



16.6421, 0.4493, 0.4920



16.6421, 0.1344, 0.2313



16.6421, 0.1698, 0.1717

Sweetspot

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



16.6430, 0.5303, 0.3656



65.9679, 0.3549, 0.3422



15.2624, 0.3634, 0.1986



13.6223, 0.3612, 0.3439



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.6430, 0.5303, 0.3656



24.7254, 0.5873, 0.3593



32.1868, 0.4468, 0.4506



9.8808, 0.3283, 0.3343



8.5495, 0.6103, 0.3536



0.4370, 0.5630, 0.3911

Inverse Universe

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



28.0337, 0.2174, 0.2748



45.8415, 0.2076, 0.2613



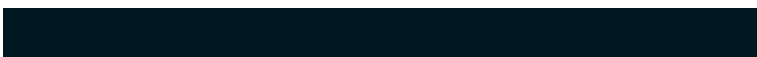
11.1861, 0.1861, 0.1513



10.4296, 0.2985, 0.3236



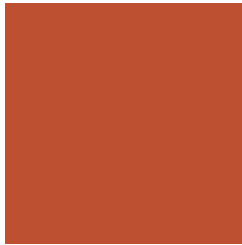
16.3814, 0.2040, 0.2545



0.7339, 0.2095, 0.2743

Previews

White Background



This preview shows how the Yxy color 16.6421, 0.5303, 0.3656 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 16.6421, 0.5303, 0.3656 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 16.6421, 0.5303, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 16.6421, 0.5303, 0.3656.



This preview shows how white text looks on a background with the Yxy color 16.6421, 0.5303, 0.3656.

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

16.6421, 0.5303, 0.3656

Protanopia

16.7860, 0.3976, 0.4330

Deuteranopia

16.6360, 0.4455, 0.4381



Tritanopia

16.5818, 0.4884, 0.3232

Trichromacy



Original Color

16.6421, 0.5303, 0.3656

Protanomaly

16.1681, 0.4481, 0.4062

Deuteranomaly

16.2881, 0.4789, 0.4079

Tritanomaly

16.5562, 0.5065, 0.3393

Monochromacy



Original Color

16.6421, 0.5303, 0.3656

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.8268, 0.3908, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6421, 0.5303, 0.3656 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(188, 80, 48)` looks like.

```
.text, #text, p{  
    color:rgb(188, 80, 48)  
}
```

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(188, 80, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 80, 48) }
```

Border

The CSS property to change the border of an element to Yxy 16.6421, 0.5303, 0.3656 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(188, 80, 48) }
```

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

```
.border{ border-color:rgb(188, 80, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 80, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 80, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 80, 48);  
box-shadow:4px 4px 4px 4px rgb(188, 80,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6421, 0.5303, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 80, 48) }
```

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

```
.background{ background-color: rgb(188, 80,  
48) }
```

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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