

Converting Colors

$Y_{xy}(20.5289, 0.5096, 0.4034)$

Have a look what the booklet for
Yxy(20.5289, 0.5096, 0.4034)
contains.

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Color

Yxy(20.5318, 0.5096, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	BC6726
RGB	188, 103, 38
RGB Percent	74%, 40%, 15%
CMY	0.2628, 0.5960, 0.8511
CMYK	0.00, 0.45, 0.80, 0.26
HSL	26°, 66%, 44%
HSV	26°, 80%, 74%
XYZ	25.9370, 20.5318, 4.4280
YIQ	121.0050, 71.5250, -2.1950

Conversions

Conversions Part 2

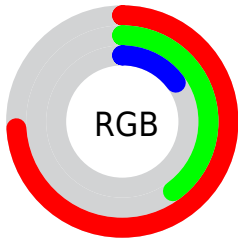
Format	Color
RYB	188, 153, 38
Decimal	12347174
CIELab	52.43, 29.34, 49.21
CIElCh	52, 57.294, 59.194
Yxy	20.5318, 0.5096, 0.4034
Android (android.graphics.Color)	4290537254 (0xFFBC6726)
YUV	121.0050, -40.9215, 58.7546
Hunter-Lab	45.3120, 22.8791, 25.9244

Details

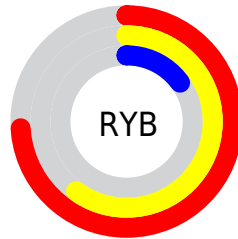
The Yxy color **20.5318, 0.5096, 0.4034** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.1978, 0.1986, 0.2132**, and the grayscale version is **19.2402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2870, 0.4698, 0.3960**, and **7.3055, 0.5594, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **18.4551, 0.5366, 0.4007**, and if you desaturate by 10%, it is **22.9418, 0.4798, 0.4010**.

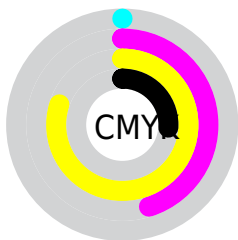
Distribution



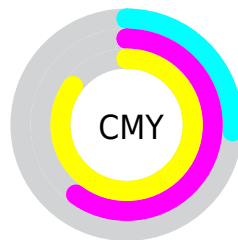
- Red (74%)
- Green (40%)
- Blue (15%)



- Red (74%)
- Yellow (60%)
- Blue (15%)



- Cyan (0%)
- Magenta (45%)
- Yellow (80%)
- Black (26%)





- Cyan (26%)
- Magenta (60%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5318, 0.5096, 0.4034 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 20.5318, 0.5096, 0.4034 by changing the saturation by 10% instead.


 20.5318, 0.5096,
0.4034


 20.5318, 0.5096,
0.4034


254.7797, 0.4026,
0.3734

 12.7822, 0.5359,
0.4051


 44.3070, 0.4701,
0.3960

 7.2787, 0.5699,
0.4041


 61.1014, 0.4553,
0.3919

 3.6370, 0.6079,
0.3921

 81.6795, 0.4428,
0.3881

 1.4727, 0.6441,
0.3559

 106.4257, 0.4323,
0.3846

 0.2694, 0.7843,
0.2157

 135.7245, 0.4232,
0.3814

 0.0000, 0.0000,
0.0000

 169.9601, 0.4154,

0.3785

209.5171, 0.4086,
0.3758

■ 20.5318, 0.5096,
0.4034

■ 20.5318, 0.5096,
0.4034

■ 18.4551, 0.5366,
0.4007

■ 22.9418, 0.4798,
0.4010

■ 16.6824, 0.5598,
0.3935

■ 25.6995, 0.4493,
0.3945

■ 16.6490, 0.5603,
0.3933

■ 28.8220, 0.4200,
0.3851

■ 32.3240, 0.3929,
0.3741

■ 36.2193, 0.3686,
0.3625

■ 40.5210, 0.3472,
0.3508

■ 45.2413, 0.3285,
0.3395

■ 50.3919, 0.3124,
0.3288

■ 55.9842, 0.2985,
0.3189

Harmonies

Analogous

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



20.5318, 0.5061, 0.3328



20.5318, 0.5096, 0.4034



20.5318, 0.4549, 0.4747

Triad

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



20.5318, 0.5096, 0.4034



20.5318, 0.1939, 0.3900



20.5318, 0.2313, 0.1855

Complementary

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



20.5318, 0.5096, 0.4034



18.1978, 0.1986, 0.2132

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.



20.5318, 0.1710, 0.1814



20.5318, 0.5096, 0.4034



20.5318, 0.1510, 0.2774

Square

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



20.5318, 0.5096, 0.4034



20.5318, 0.2733, 0.4971



20.5318, 0.1448, 0.2087



20.5318, 0.3261, 0.2160

Rectangle

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



20.5318, 0.5096, 0.4034



20.5318, 0.3994, 0.5122



20.5318, 0.1448, 0.2087



20.5318, 0.2072, 0.1811

Sweetspot

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



20.5329, 0.5096, 0.4034



69.7701, 0.3567, 0.3561



13.5048, 0.4272, 0.2307



14.4137, 0.3645, 0.3603



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.



20.5329, 0.5096, 0.4034



30.9141, 0.5544, 0.3950



42.6662, 0.4215, 0.4860



10.1984, 0.3278, 0.3390



11.4790, 0.5582, 0.3950



0.5798, 0.5168, 0.4278

Inverse Universe

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



18.1978, 0.1986, 0.2132



26.2644, 0.1851, 0.1842



6.1546, 0.1675, 0.0943



10.0980, 0.2984, 0.3188



9.7105, 0.1840, 0.1823



0.5082, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 20.5318, 0.5096, 0.4034 looks on a white 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

Black Background



This preview shows how the Yxy color 20.5318, 0.5096, 0.4034 looks on a black 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

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

Yxy 20.5318, 0.5096, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 20.5318, 0.5096, 0.4034.



This preview shows how white text looks on a background with the Yxy color 20.5318, 0.5096, 0.4034.

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

20.5318, 0.5096, 0.4034

Protanopia

20.6790, 0.4181, 0.4616

Deuteranopia

20.5670, 0.4580, 0.4495



Tritanopia

20.4214, 0.4405, 0.3199

Trichromacy



Original Color

20.5318, 0.5096, 0.4034

Protanomaly

20.2921, 0.4512, 0.4401

Deuteranomaly

20.3608, 0.4782, 0.4316

Tritanomaly

20.4353, 0.4718, 0.3557

Monochromacy



Original Color

20.5318, 0.5096, 0.4034

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.8097, 0.3848, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5318, 0.5096, 0.4034 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, 103, 38)` looks like.

```
.text, #text, p{  
    color:rgb(188, 103, 38)  
}
```

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, 103, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 103, 38) }
```

Border

The CSS property to change the border of an element to Yxy 20.5318, 0.5096, 0.4034 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, 103, 38) }
```

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

```
.border{ border-color:rgb(188, 103, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 103, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 103, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 103, 38);  
box-shadow:4px 4px 4px 4px rgb(188, 103,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5318, 0.5096, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 103, 38) }
```

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

```
.background{ background-color: rgb(188,  
103, 38) }
```

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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