

Converting Colors

$Y_{xy}(20.5936, 0.5077, 0.3857)$

Have a look what the booklet for
Yxy(20.5936, 0.5077, 0.3857)
contains.

Yxy(20.5002, 0.5083, 0.3852)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5002, 0.5083, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	C16333
RGB	193, 99, 51
RGB Percent	76%, 39%, 20%
CMY	0.2432, 0.6117, 0.7998
CMYK	0.00, 0.49, 0.74, 0.24
HSL	20°, 58%, 48%
HSV	20°, 74%, 76%
XYZ	27.0515, 20.5002, 5.6679
YIQ	121.6340, 71.4320, 5.0000

Conversions

Conversions Part 2

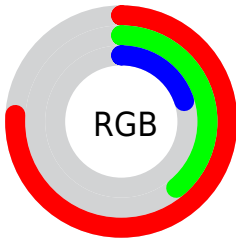
Format	Color
RYB	193, 124, 51
Decimal	12673843
CIELab	52.40, 34.07, 43.25
CIELCh	52, 55.061, 51.769
Yxy	20.5002, 0.5083, 0.3852
Android (android.graphics.Color)	4290863923 (0xFFC16333)
YUV	121.6340, -34.8226, 62.5880
Hunter-Lab	45.2771, 27.4126, 24.2720

Details

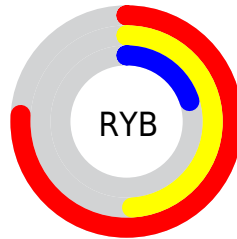
The Yxy color **20.5002, 0.5083, 0.3852** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.8147, 0.2111, 0.2480**, and the grayscale version is **19.4370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1241, 0.4673, 0.3801**, and **7.1876, 0.5721, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **18.1319, 0.5420, 0.3839**, and if you desaturate by 10%, it is **23.3245, 0.4731, 0.3822**.

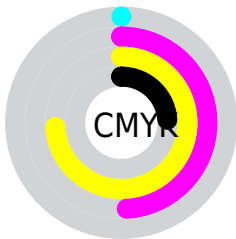
Distribution



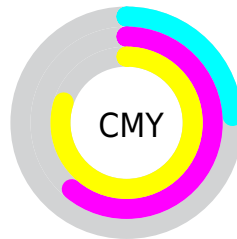
- Red (76%)
- Green (39%)
- Blue (20%)



- Red (76%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (49%)
- Yellow (74%)
- Black (24%)



- Cyan (24%)
- Magenta (61%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5002, 0.5083, 0.3852 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 20.5002, 0.5083, 0.3852 by changing the saturation by 10% instead.


 20.5002, 0.5083,
0.3852


 20.5002, 0.5083,
0.3852


254.6103, 0.4001,
0.3638


 12.7592, 0.5364,
0.3856


 44.2542, 0.4675,
0.3804


 7.2629, 0.5716,
0.3820


 61.0360, 0.4525,
0.3775


 3.6271, 0.6250,
0.3750

 81.6002, 0.4400,
0.3748

 1.4672, 0.6651,
0.3349

 106.3311, 0.4294,
0.3722

 0.2655, 0.8067,
0.1933

 135.6131, 0.4205,
0.3698

 0.0000, 1.0000,
0.0000

 169.8308, 0.4127,

 0.0000, 0.0000,

0.3676

0.0000

209.3684, 0.4060,
0.3656

■ 20.5002, 0.5083,
0.3852

■ 20.5002, 0.5083,
0.3852

■ 18.1319, 0.5420,
0.3839

■ 23.3245, 0.4731,
0.3822

■ 16.1890, 0.5710,
0.3777

■ 26.6260, 0.4391,
0.3760

■ 15.1418, 0.5871,
0.3720

■ 30.4285, 0.4079,
0.3679

■ 34.7528, 0.3803,
0.3588

■ 39.6188, 0.3563,
0.3495

■ 45.0450, 0.3357,
0.3405

■ 51.0491, 0.3183,
0.3319

■ 57.6480, 0.3034,
0.3239

■ 64.8578, 0.2909,
0.3166

Harmonies

Analogous

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



20.5002, 0.4873, 0.3173



20.5002, 0.5083, 0.3852



20.5002, 0.4680, 0.4549

Triad

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



20.5002, 0.5083, 0.3852



20.5002, 0.2146, 0.4167



20.5002, 0.2164, 0.1862

Complementary

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



20.5002, 0.5083, 0.3852



24.8147, 0.2111, 0.2480

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.



20.5002, 0.1660, 0.1894



20.5002, 0.5083, 0.3852



20.5002, 0.1629, 0.3035

Square

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



20.5002, 0.5083, 0.3852



20.5002, 0.2979, 0.5045



20.5002, 0.1482, 0.2254



20.5002, 0.3008, 0.2099

Rectangle

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



20.5002, 0.5083, 0.3852



20.5002, 0.4187, 0.4950



20.5002, 0.1482, 0.2254



20.5002, 0.1958, 0.1841

Sweetspot

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



20.5013, 0.5083, 0.3852



72.0820, 0.3536, 0.3484



15.7734, 0.3897, 0.2169



14.9254, 0.3597, 0.3510



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.5013, 0.5083, 0.3852



30.3595, 0.5596, 0.3809



40.0772, 0.4291, 0.4668



10.6217, 0.3281, 0.3368



10.2055, 0.5847, 0.3739



0.5698, 0.5409, 0.4087

Inverse Universe

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



24.8147, 0.2111, 0.2480



38.0627, 0.1986, 0.2276



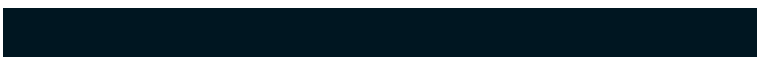
9.5467, 0.1808, 0.1279



10.8366, 0.2984, 0.3210



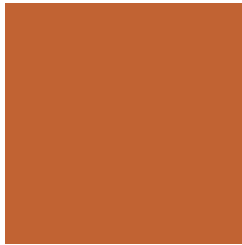
12.9447, 0.1933, 0.2158



0.6825, 0.2011, 0.2440

Previews

White Background



This preview shows how the Yxy color 20.5002, 0.5083, 0.3852 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 20.5002, 0.5083, 0.3852 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 20.5002, 0.5083, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 20.5002, 0.5083, 0.3852.



This preview shows how white text looks on a background with the Yxy color 20.5002, 0.5083, 0.3852.

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

20.5002, 0.5083, 0.3852

Protanopia

20.7264, 0.4041, 0.4432

Deuteranopia

20.5590, 0.4467, 0.4374



Tritanopia

20.5276, 0.4513, 0.3216

Trichromacy



Original Color

20.5002, 0.5083, 0.3852

Protanomaly

20.1472, 0.4437, 0.4205

Deuteranomaly

20.3478, 0.4697, 0.4172

Tritanomaly

20.4443, 0.4750, 0.3474

Monochromacy



Original Color

20.5002, 0.5083, 0.3852

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1751, 0.3823, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5002, 0.5083, 0.3852 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(193, 99, 51)` looks like.

```
.text, #text, p{  
    color:rgb(193, 99, 51)  
}
```

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(193, 99, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 99, 51) }
```

Border

The CSS property to change the border of an element to Yxy 20.5002, 0.5083, 0.3852 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(193, 99, 51) }
```

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

```
.border{ border-color:rgb(193, 99, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 99, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 99, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 99, 51);  
box-shadow:4px 4px 4px 4px rgb(193, 99,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5002, 0.5083, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 99, 51) }
```

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

```
.background{ background-color: rgb(193, 99,  
51) }
```

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