

Converting Colors

$Y_{xy}(21.3751, 0.5081, 0.3933)$

Have a look what the booklet for
Yxy(21.3751, 0.5081, 0.3933)
contains.

Yxy(21.3751, 0.5081, 0.3933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3751, 0.5081, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	C2672F
RGB	194, 103, 47
RGB Percent	76%, 40%, 18%
CMY	0.2392, 0.5961, 0.8157
CMYK	0.00, 0.47, 0.76, 0.24
HSL	23°, 61%, 47%
HSV	23°, 76%, 76%
XYZ	27.6143, 21.3751, 5.3587
YIQ	123.8250, 72.2120, 1.8760

Conversions

Conversions Part 2

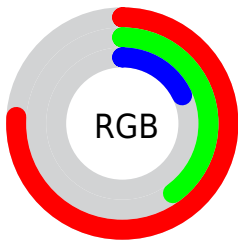
Format	Color
RYB	194, 137, 47
Decimal	12740399
CIELab	53.36, 32.20, 46.29
CIELCh	53, 56.389, 55.174
Yxy	21.3751, 0.5081, 0.3933
Android (android.graphics.Color)	4290930479 (0xFFC2672F)
YUV	123.8250, -37.8747, 61.5435
Hunter-Lab	46.2332, 25.7067, 25.4912

Details

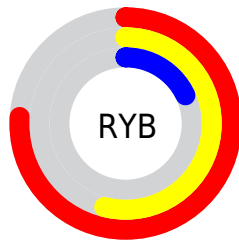
The Yxy color **21.3751, 0.5081, 0.3933** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **22.6799, 0.2061, 0.2337**, and the grayscale version is **20.2052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5472, 0.4684, 0.3874**, and **7.7067, 0.5644, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **19.0329, 0.5391, 0.3917**, and if you desaturate by 10%, it is **24.1325, 0.4751, 0.3903**.

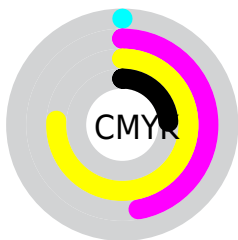
Distribution



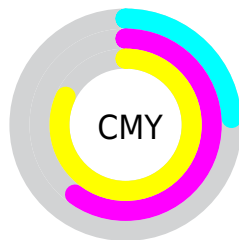
- Red (76%)
- Green (40%)
- Blue (18%)



- Red (76%)
- Yellow (54%)
- Blue (18%)



- Cyan (0%)
- Magenta (47%)
- Yellow (76%)
- Black (24%)





- Cyan (24%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3751, 0.5081, 0.3933 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 21.3751, 0.5081, 0.3933 by changing the saturation by 10% instead.


 21.3751, 0.5081,
0.3933


 21.3751, 0.5081,
0.3933


259.2653, 0.4014,
0.3681

 13.3985, 0.5350,
0.3944


 45.7110, 0.4684,
0.3873

 7.7035, 0.5683,
0.3918


 62.8390, 0.4536,
0.3839


 3.9058, 0.6155,
0.3845

 83.7863, 0.4412,
0.3807

 1.6210, 0.6523,
0.3477

 108.9372, 0.4308,
0.3777

 0.3717, 0.7598,
0.2402

 138.6762, 0.4218,
0.3750

 0.0000, 1.0000,
0.0000

 173.3876, 0.4141,

 0.0000, 0.0000,

0.3725

0.0000

213.4558, 0.4074,
0.3702

■ 21.3751, 0.5081,
0.3933

■ 21.3751, 0.5081,
0.3933

■ 19.0329, 0.5391,
0.3917

■ 24.1325, 0.4751,
0.3903

■ 17.0775, 0.5654,
0.3848

■ 27.3234, 0.4426,
0.3837

■ 16.3561, 0.5755,
0.3812

■ 30.9690, 0.4121,
0.3748

■ 35.0880, 0.3847,
0.3648

■ 39.6976, 0.3606,
0.3544

■ 44.8144, 0.3398,
0.3442

■ 50.4539, 0.3219,
0.3344

■ 56.6311, 0.3065,
0.3252

■ 63.3602, 0.2935,
0.3168

Harmonies

Analogous

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



21.3751, 0.4949, 0.3245



21.3751, 0.5081, 0.3933



21.3751, 0.4616, 0.4633

Triad

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



21.3751, 0.5081, 0.3933



21.3751, 0.2058, 0.4043



21.3751, 0.2235, 0.1866

Complementary

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



21.3751, 0.5081, 0.3933



22.6799, 0.2061, 0.2337

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.



21.3751, 0.1689, 0.1864



21.3751, 0.5081, 0.3933



21.3751, 0.1582, 0.2919

Square

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



21.3751, 0.5081, 0.3933



21.3751, 0.2871, 0.5003



21.3751, 0.1474, 0.2183



21.3751, 0.3121, 0.2132

Rectangle

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



21.3751, 0.5081, 0.3933



21.3751, 0.4098, 0.5018



21.3751, 0.1474, 0.2183



21.3751, 0.2014, 0.1834

Sweetspot

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



21.3762, 0.5081, 0.3933



74.0625, 0.3553, 0.3519



15.4003, 0.4015, 0.2208



15.5043, 0.3635, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.3762, 0.5081, 0.3933



32.0418, 0.5573, 0.3877



42.1079, 0.4272, 0.4736



10.6927, 0.3280, 0.3378



10.8991, 0.5732, 0.3831



0.6042, 0.5314, 0.4163

Inverse Universe

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



22.6799, 0.2061, 0.2337



34.1247, 0.1929, 0.2094



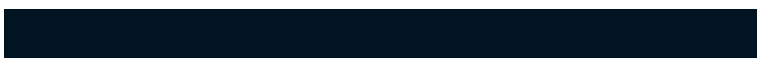
8.4662, 0.1758, 0.1154



10.7630, 0.2984, 0.3200



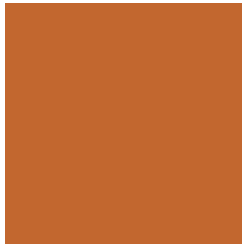
11.5710, 0.1891, 0.2006



0.6296, 0.1979, 0.2324

Previews

White Background



This preview shows how the Yxy color 21.3751, 0.5081, 0.3933 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 21.3751, 0.5081, 0.3933 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 21.3751, 0.5081, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 21.3751, 0.5081, 0.3933.



This preview shows how white text looks on a background with the Yxy color 21.3751, 0.5081, 0.3933.

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

21.3751, 0.5081, 0.3933

Protanopia

21.4555, 0.4105, 0.4508

Deuteranopia

21.5527, 0.4505, 0.4442



Tritanopia

21.4192, 0.4456, 0.3203

Trichromacy



Original Color

21.3751, 0.5081, 0.3933

Protanomaly

21.0097, 0.4474, 0.4293

Deuteranomaly

21.2065, 0.4723, 0.4248

Tritanomaly

21.2840, 0.4731, 0.3498

Monochromacy



Original Color

21.3751, 0.5081, 0.3933

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7249, 0.3825, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3751, 0.5081, 0.3933 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(194, 103, 47)` looks like.

```
.text, #text, p{  
    color:rgb(194, 103, 47)  
}
```

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(194, 103, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 103, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.3751, 0.5081, 0.3933 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(194, 103, 47) }
```

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

```
.border{ border-color:rgb(194, 103, 47) }
```

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

Here you see how a box with a 4 pixel rgb(194, 103, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 103, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 103, 47);  
box-shadow:4px 4px 4px 4px rgb(194, 103,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3751, 0.5081, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 103, 47) }
```

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

```
.background{ background-color: rgb(194,  
103, 47) }
```

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