

Converting Colors

$Y_{xy}(21.2385, 0.4941, 0.3918)$

Have a look what the booklet for
Yxy(21.2385, 0.4941, 0.3918)
contains.

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Color

Yxy(21.1883, 0.4939, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	BD6936
RGB	189, 105, 54
RGB Percent	74%, 41%, 21%
CMY	0.2588, 0.5882, 0.7882
CMYK	0.00, 0.44, 0.71, 0.26
HSL	23°, 56%, 48%
HSV	23°, 71%, 74%
XYZ	26.7030, 21.1883, 6.1743
YIQ	124.3020, 66.4350, 1.9470

Conversions

Conversions Part 2

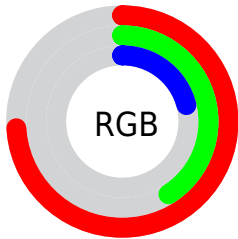
Format	Color
RYB	189, 136, 54
Decimal	12413238
CIELab	53.15, 29.39, 42.40
CIElCh	53, 51.588, 55.267
Yxy	21.1883, 0.4939, 0.3919
Android (android.graphics.Color)	4290603318 (0xFFBD6936)
YUV	124.3020, -34.6589, 56.7401
Hunter-Lab	46.0308, 22.9962, 24.2687

Details

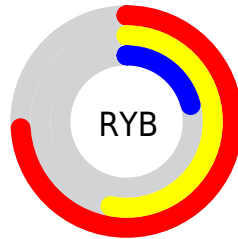
The Yxy color **21.1883, 0.4939, 0.3919** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **22.6363, 0.2108, 0.2411**, and the grayscale version is **20.3648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4172, 0.4566, 0.3846**, and **7.5829, 0.5530, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **18.8126, 0.5262, 0.3924**, and if you desaturate by 10%, it is **23.9666, 0.4607, 0.3872**.

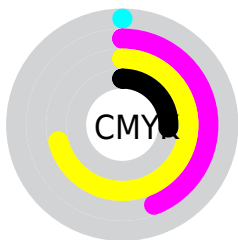
Distribution



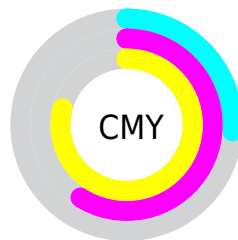
- Red (74%)
- Green (41%)
- Blue (21%)



- Red (74%)
- Yellow (53%)
- Blue (21%)



- Cyan (0%)
- Magenta (44%)
- Yellow (71%)
- Black (26%)





- Cyan (26%)
- Magenta (59%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1883, 0.4939, 0.3919 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 21.1883, 0.4939, 0.3919 by changing the saturation by 10% instead.


 21.1883, 0.4939,
0.3919


 21.1883, 0.4939,
0.3919


258.2775, 0.3940,
0.3655


 13.2617, 0.5200,
0.3944

 45.4007, 0.4562,
0.3847


 7.6090, 0.5527,
0.3938


 62.4553, 0.4423,
0.3812

 3.8458, 0.6061,
0.3939

 83.3214, 0.4308,
0.3779

 1.5877, 0.6410,
0.3590

 108.3833, 0.4211,
0.3749

 0.3493, 0.7534,
0.2466

 138.0255, 0.4128,
0.3722

 0.0000, 0.0000,
0.0000

 172.6323, 0.4056,

0.3697

212.5882, 0.3994,
0.3675

■ 21.1883, 0.4939,
0.3919

■ 21.1883, 0.4939,
0.3919

■ 18.8126, 0.5262,
0.3924

■ 23.9666, 0.4607,
0.3872

■ 16.8139, 0.5550,
0.3879

■ 27.1639, 0.4289,
0.3795

■ 15.3753, 0.5761,
0.3808

■ 30.7997, 0.3997,
0.3702

■ 34.8911, 0.3737,
0.3600

■ 39.4542, 0.3511,
0.3497

■ 44.5042, 0.3316,
0.3397

■ 50.0556, 0.3149,
0.3303

■ 56.1223, 0.3006,
0.3215

■ 62.7175, 0.2884,
0.3134

Harmonies

Analogous

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



21.1883, 0.4804, 0.3268



21.1883, 0.4939, 0.3919



21.1883, 0.4524, 0.4562

Triad

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



21.1883, 0.4939, 0.3919



21.1883, 0.2142, 0.3976



21.1883, 0.2304, 0.1957

Complementary

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



21.1883, 0.4939, 0.3919



22.6363, 0.2108, 0.2411

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.



21.1883, 0.1784, 0.1960



21.1883, 0.4939, 0.3919



21.1883, 0.1687, 0.2958

Square

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



21.1883, 0.4939, 0.3919



21.1883, 0.2904, 0.4841



21.1883, 0.1579, 0.2268



21.1883, 0.3130, 0.2210

Rectangle

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



21.1883, 0.4939, 0.3919



21.1883, 0.4047, 0.4898



21.1883, 0.1579, 0.2268



21.1883, 0.2095, 0.1928

Sweetspot

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



21.1894, 0.4939, 0.3919



70.7387, 0.3509, 0.3496



15.3368, 0.3942, 0.2239



14.7083, 0.3568, 0.3524



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.



21.1894, 0.4939, 0.3919



31.4842, 0.5440, 0.3903



40.2093, 0.4222, 0.4688



10.1112, 0.3279, 0.3377



10.4824, 0.5738, 0.3826



0.5375, 0.5287, 0.4184

Inverse Universe

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



22.6363, 0.2108, 0.2411



33.9318, 0.1967, 0.2179



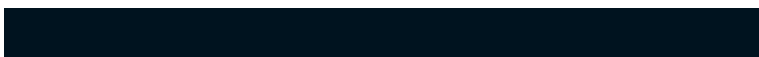
9.0951, 0.1826, 0.1275



10.1873, 0.2984, 0.3201



11.2775, 0.1894, 0.2018



0.5639, 0.1988, 0.2357

Previews

White Background



This preview shows how the Yxy color 21.1883, 0.4939, 0.3919 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 21.1883, 0.4939, 0.3919 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 21.1883, 0.4939, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 21.1883, 0.4939, 0.3919.



This preview shows how white text looks on a background with the Yxy color 21.1883, 0.4939, 0.3919.

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

21.1883, 0.4939, 0.3919

Protanopia

21.4380, 0.4030, 0.4420

Deuteranopia

21.2760, 0.4434, 0.4345



Tritanopia

21.1708, 0.4352, 0.3199

Trichromacy



Original Color

21.1883, 0.4939, 0.3919

Protanomaly

21.0075, 0.4359, 0.4243

Deuteranomaly

21.0465, 0.4632, 0.4183

Tritanomaly

21.0718, 0.4601, 0.3480

Monochromacy



Original Color

21.1883, 0.4939, 0.3919

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9193, 0.3766, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1883, 0.4939, 0.3919 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(189, 105, 54)` looks like.

```
.text, #text, p{  
    color:rgb(189, 105, 54)  
}
```

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(189, 105, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 105, 54) }
```

Border

The CSS property to change the border of an element to Yxy 21.1883, 0.4939, 0.3919 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(189, 105, 54) }
```

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

```
.border{ border-color:rgb(189, 105, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 105, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 105, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 105, 54);  
box-shadow:4px 4px 4px 4px rgb(189, 105,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1883, 0.4939, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 105, 54) }
```

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

```
.background{ background-color: rgb(189,  
105, 54) }
```

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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