

Converting Colors

$Yxy(21.3049, 0.4876, 0.3897)$

Have a look what the booklet for
Yxy(21.3049, 0.4876, 0.3897)
contains.

Yxy(21.3049, 0.4876, 0.3897)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3049, 0.4876, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	BC6A3A
RGB	188, 106, 58
RGB Percent	74%, 42%, 23%
CMY	0.2627, 0.5843, 0.7726
CMYK	0.00, 0.44, 0.69, 0.26
HSL	22°, 53%, 48%
HSV	22°, 69%, 74%
XYZ	26.6571, 21.3049, 6.7080
YIQ	125.0460, 64.2800, 2.4560

Conversions

Conversions Part 2

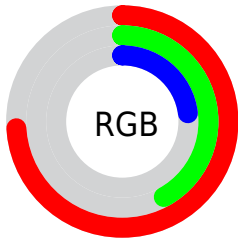
Format	Color
RYB	188, 134, 58
Decimal	12347962
CIELab	53.28, 28.66, 40.46
CIElCh	53, 49.582, 54.689
Yxy	21.3049, 0.4876, 0.3897
Android (android.graphics.Color)	4290538042 (0xFFBC6A3A)
YUV	125.0460, -33.0537, 55.2107
Hunter-Lab	46.1572, 22.3136, 23.6935

Details

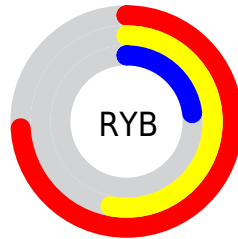
The Yxy color **21.3049, 0.4876, 0.3897** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **23.2814, 0.2138, 0.2464**, and the grayscale version is **20.6219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4717, 0.4506, 0.3824**, and **7.6940, 0.5464, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **18.8711, 0.5207, 0.3911**, and if you desaturate by 10%, it is **24.1487, 0.4542, 0.3844**.

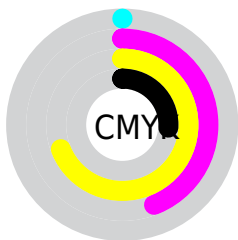
Distribution



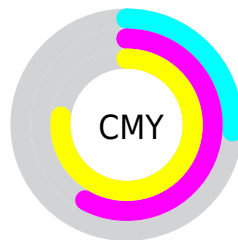
- Red (74%)
- Green (42%)
- Blue (23%)



- Red (74%)
- Yellow (53%)
- Blue (23%)



- Cyan (0%)
- Magenta (44%)
- Yellow (69%)
- Black (26%)





- Cyan (26%)
- Magenta (58%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3049, 0.4876, 0.3897 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 21.3049, 0.4876, 0.3897 by changing the saturation by 10% instead.


 21.3049, 0.4876,
0.3897


 21.3049, 0.4876,
0.3897


258.8945, 0.3908,
0.3637


 13.3471, 0.5132,
0.3925


 45.5944, 0.4508,
0.3824


 7.6680, 0.5457,
0.3928


 62.6949, 0.4374,
0.3789


 3.8832, 0.6031,
0.3969

 83.6117, 0.4263,
0.3757

 1.6085, 0.6372,
0.3628

 108.7292, 0.4169,
0.3727

 0.3633, 0.7451,
0.2549

 138.4319, 0.4089,
0.3701

 0.0000, 0.0000,
0.0000

 173.1040, 0.4020,

0.3678

213.1301, 0.3960,
0.3656

■ 21.3049, 0.4876,
0.3897

■ 21.3049, 0.4876,
0.3897

■ 18.8711, 0.5207,
0.3911

■ 24.1487, 0.4542,
0.3844

■ 16.8221, 0.5509,
0.3876

■ 27.4190, 0.4226,
0.3765

■ 15.1300, 0.5763,
0.3797

■ 31.1351, 0.3938,
0.3670

■ 15.0017, 0.5784,
0.3790

■ 35.3143, 0.3685,
0.3570

■ 39.9727, 0.3465,
0.3470

■ 45.1255, 0.3276,
0.3373

■ 50.7874, 0.3115,
0.3283

■ 56.9723, 0.2977,
0.3198

■ 63.6936, 0.2859,
0.3121

Harmonies

Analogous

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



21.3049, 0.4729, 0.3264



21.3049, 0.4876, 0.3897



21.3049, 0.4492, 0.4515

Triad

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



21.3049, 0.4876, 0.3897



21.3049, 0.2193, 0.3967



21.3049, 0.2322, 0.1998

Complementary

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



21.3049, 0.4876, 0.3897



23.2814, 0.2138, 0.2464

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.



21.3049, 0.1822, 0.2008



21.3049, 0.4876, 0.3897



21.3049, 0.1742, 0.2993

Square

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



21.3049, 0.4876, 0.3897



21.3049, 0.2935, 0.4780



21.3049, 0.1628, 0.2318



21.3049, 0.3115, 0.2239

Rectangle

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



21.3049, 0.4876, 0.3897



21.3049, 0.4038, 0.4834



21.3049, 0.1628, 0.2318



21.3049, 0.2120, 0.1971

Sweetspot

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



21.3060, 0.4876, 0.3897



70.5207, 0.3510, 0.3492



15.6195, 0.3905, 0.2258



14.6567, 0.3569, 0.3519



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.



21.3060, 0.4876, 0.3897



32.1839, 0.5370, 0.3899



39.9974, 0.4195, 0.4660



10.0980, 0.3279, 0.3375



10.3449, 0.5761, 0.3808



0.5315, 0.5305, 0.4169

Inverse Universe

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



23.2814, 0.2138, 0.2464



35.7234, 0.1996, 0.2248



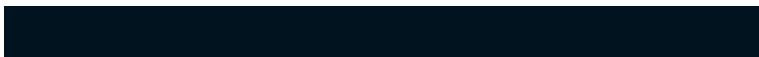
9.6058, 0.1863, 0.1340



10.2009, 0.2985, 0.3203



11.5307, 0.1902, 0.2048



0.5727, 0.1994, 0.2380

Previews

White Background



This preview shows how the Yxy color 21.3049, 0.4876, 0.3897 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 21.3049, 0.4876, 0.3897 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 21.3049, 0.4876, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 21.3049, 0.4876, 0.3897.



This preview shows how white text looks on a background with the Yxy color 21.3049, 0.4876, 0.3897.

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

21.3049, 0.4876, 0.3897

Protanopia

21.4827, 0.3991, 0.4362

Deuteranopia

21.5563, 0.4387, 0.4313



Tritanopia

21.2734, 0.4304, 0.3185

Trichromacy



Original Color

21.3049, 0.4876, 0.3897

Protanomaly

21.0498, 0.4319, 0.4192

Deuteranomaly

21.3127, 0.4582, 0.4153

Tritanomaly

21.1881, 0.4539, 0.3456

Monochromacy



Original Color

21.3049, 0.4876, 0.3897

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1924, 0.3735, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3049, 0.4876, 0.3897 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, 106, 58)` looks like.

```
.text, #text, p{  
    color:rgb(188, 106, 58)  
}
```

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, 106, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 106, 58) }
```

Border

The CSS property to change the border of an element to Yxy 21.3049, 0.4876, 0.3897 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, 106, 58) }
```

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

```
.border{ border-color:rgb(188, 106, 58) }
```

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

Here you see how a box with a 4 pixel rgb(188, 106, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 106, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 106, 58);  
box-shadow:4px 4px 4px 4px rgb(188, 106,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3049, 0.4876, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 106, 58) }
```

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

```
.background{ background-color: rgb(188,  
106, 58) }
```

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