

Converting Colors

$Y_{xy}(21.9607, 0.4679, 0.3702)$

Have a look what the booklet for
Yxy(21.9607, 0.4679, 0.3702)
contains.

Yxy(21.9843, 0.4680, 0.3701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.9843, 0.4680, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	BE6B4C
RGB	190, 107, 76
RGB Percent	75%, 42%, 30%
CMY	0.2549, 0.5804, 0.7019
CMYK	0.00, 0.44, 0.60, 0.25
HSL	16°, 47%, 52%
HSV	16°, 60%, 75%
XYZ	27.7997, 21.9843, 9.6170
YIQ	128.2830, 59.4190, 7.9550

Conversions

Conversions Part 2

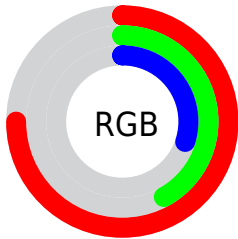
Format	Color
RYB	190, 119, 76
Decimal	12479308
CIELab	54.01, 30.13, 31.64
CIELCh	54, 43.689, 46.401
Yxy	21.9843, 0.4680, 0.3701
Android (android.graphics.Color)	4290669388 (0xFFBE6B4C)
YUV	128.2830, -25.7755, 54.1258
Hunter-Lab	46.8874, 23.7801, 20.6603

Details

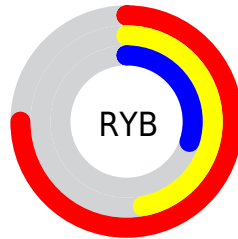
The Yxy color **21.9843, 0.4680, 0.3701** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **30.0586, 0.2286, 0.2784**, and the grayscale version is **21.7663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6266, 0.4342, 0.3642**, and **8.0254, 0.5245, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **19.1012, 0.5060, 0.3731**, and if you desaturate by 10%, it is **25.4094, 0.4323, 0.3647**.

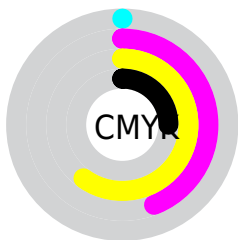
Distribution



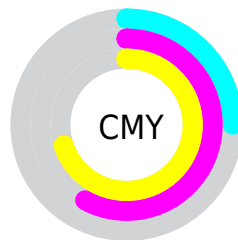
- Red (75%)
- Green (42%)
- Blue (30%)



- Red (75%)
- Yellow (47%)
- Blue (30%)



- Cyan (0%)
- Magenta (44%)
- Yellow (60%)
- Black (25%)





- Cyan (25%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9843, 0.4680, 0.3701 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 21.9843, 0.4680, 0.3701 by changing the saturation by 10% instead.


 21.9843, 0.4680,
0.3701

 21.9843, 0.4680,
0.3701


262.4643, 0.3810,
0.3526


 13.8454, 0.4923,
0.3722


 46.7200, 0.4343,
0.3651


 8.0132, 0.5244,
0.3726


 64.0856, 0.4222,
0.3627


 4.1034, 0.5692,
0.3694


 85.2956, 0.4123,
0.3606

 1.7316, 0.6405,
0.3595

 110.7343, 0.4040,
0.3586

 0.4440, 0.7297,
0.2703

 140.7861, 0.3969,
0.3569

 0.0000, 1.0000,
0.0000

175.8354, 0.3909,

 0.0000, 0.0000,

0.3553

0.0000

216.2667, 0.3856,
0.3539

■ 21.9843, 0.4680,
0.3701

■ 21.9843, 0.4680,
0.3701

■ 19.1012, 0.5060,
0.3731

■ 25.4094, 0.4323,
0.3647

■ 16.7276, 0.5435,
0.3725

■ 29.3997, 0.4004,
0.3578

■ 14.8327, 0.5767,
0.3675

■ 33.9812, 0.3727,
0.3504

■ 13.3738, 0.6031,
0.3593

■ 39.1772, 0.3492,
0.3430

■ 13.3735, 0.6031,
0.3593

■ 45.0098, 0.3293,
0.3358

■ 51.4998, 0.3127,
0.3290

■ 58.6671, 0.2988,
0.3228

■ 66.5309, 0.2870,
0.3171

■ 75.1093, 0.2771,
0.3119

Harmonies

Analogous

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



21.9843, 0.4399, 0.3133



21.9843, 0.4680, 0.3701



21.9843, 0.4477, 0.4260

Triad

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



21.9843, 0.4680, 0.3701



21.9843, 0.2475, 0.4104



21.9843, 0.2264, 0.2112

Complementary

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



21.9843, 0.4680, 0.3701



30.0586, 0.2286, 0.2784

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.



21.9843, 0.1884, 0.2200



21.9843, 0.4680, 0.3701



21.9843, 0.1980, 0.3263

Square

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



21.9843, 0.4680, 0.3701



21.9843, 0.3183, 0.4669



21.9843, 0.1786, 0.2576



21.9843, 0.2909, 0.2269

Rectangle

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



21.9843, 0.4680, 0.3701



21.9843, 0.4131, 0.4564



21.9843, 0.1786, 0.2576



21.9843, 0.2106, 0.2112

Sweetspot

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



21.9854, 0.4680, 0.3701



72.7065, 0.3455, 0.3417



18.6430, 0.3593, 0.2223



15.3175, 0.3519, 0.3439



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.



21.9854, 0.4680, 0.3701



33.1498, 0.5181, 0.3733



37.8107, 0.4163, 0.4408



9.9471, 0.3282, 0.3353



9.0053, 0.6008, 0.3611



0.4657, 0.5522, 0.3997

Inverse Universe

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



30.0586, 0.2286, 0.2784



48.8303, 0.2157, 0.2651



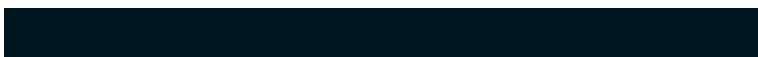
14.8779, 0.2067, 0.1800



10.3589, 0.2985, 0.3226



14.7617, 0.1998, 0.2393



0.6815, 0.2065, 0.2633

Previews

White Background



This preview shows how the Yxy color 21.9843, 0.4680, 0.3701 looks on a white background.

Color Contrast Check

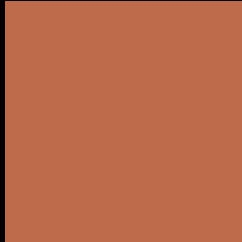
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9843, 0.4680, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

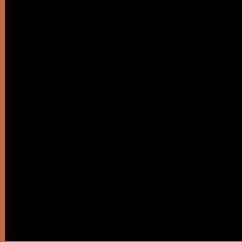
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9843, 0.4680, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 21.9843, 0.4680, 0.3701.



This preview shows how white text looks on a background with the Yxy color 21.9843, 0.4680, 0.3701.

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

21.9843, 0.4680, 0.3701

Protanopia

22.2839, 0.3767, 0.4074

Deuteranopia

22.1654, 0.4163, 0.4099



Tritanopia

22.0328, 0.4268, 0.3198

Trichromacy



Original Color

21.9843, 0.4680, 0.3701

Protanomaly

21.8992, 0.4091, 0.3932

Deuteranomaly

21.9973, 0.4359, 0.3947

Tritanomaly

21.8588, 0.4422, 0.3375

Monochromacy



Original Color

21.9843, 0.4680, 0.3701

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1164, 0.3662, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9843, 0.4680, 0.3701 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(190, 107, 76)` looks like.

```
.text, #text, p{  
    color:rgb(190, 107, 76)  
}
```

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(190, 107, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 107, 76) }
```

Border

The CSS property to change the border of an element to Yxy 21.9843, 0.4680, 0.3701 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(190, 107, 76) }
```

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

```
.border{ border-color:rgb(190, 107, 76) }
```

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

Here you see how a box with a 4 pixel rgb(190, 107, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 107, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 107, 76);  
box-shadow:4px 4px 4px 4px rgb(190, 107,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9843, 0.4680, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 107, 76) }
```

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

```
.background{ background-color: rgb(190,  
107, 76) }
```

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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