

Converting Colors

$Y_{xy}(20.5313, 0.4839, 0.3769)$

Have a look what the booklet for
Yxy(20.5313, 0.4839, 0.3769)
contains.

| | |
|---|----|
| Yxy(20.5758, 0.4843, 0.3769) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(20.5758, 0.4843, 0.3769)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BC6641 |
| RGB | 188, 102, 65 |
| RGB Percent | 74%, 40%, 25% |
| CMY | 0.2629, 0.5999, 0.7451 |
| CMYK | 0.00, 0.46, 0.65, 0.26 |
| HSL | 18°, 49%, 50% |
| HSV | 18°, 65%, 74% |
| XYZ | 26.4390, 20.5758, 7.5774 |
| YIQ | 123.4960, 63.1330, 6.7250 |

Conversions

Conversions Part 2

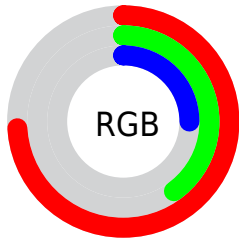
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 188, 118, 65 |
| Decimal | 12346945 |
| CIE _{Lab} | 52.48, 31.21, 35.81 |
| CIE _{LCh} | 52, 47.500, 48.924 |
| Yxy | 20.5758, 0.4843, 0.3769 |
| Android (android.graphics.Color) | 4290537025 (0xFFBC6641) |
| YUV | 123.4960, -28.8385, 56.5700 |
| Hunter-Lab | 45.3606, 24.6601, 21.8481 |

Details

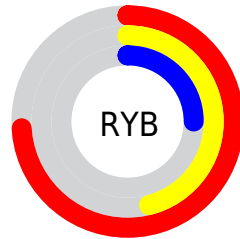
The Yxy color **20.5758, 0.4843, 0.3769** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **26.8655, 0.2214, 0.2667**, and the grayscale version is **20.0629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2826, 0.4470, 0.3714**, and **7.3390, 0.5459, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **18.0127, 0.5211, 0.3786**, and if you desaturate by 10%, it is **23.6228, 0.4484, 0.3720**.

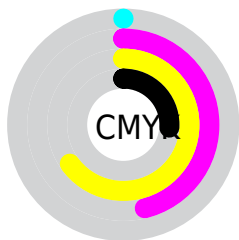
Distribution



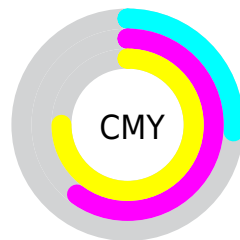
- Red (74%)
- Green (40%)
- Blue (25%)



- Red (74%)
- Yellow (46%)
- Blue (25%)



- Cyan (0%)
- Magenta (46%)
- Yellow (65%)
- Black (26%)



- Cyan (26%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5758, 0.4843, 0.3769 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 20.5758, 0.4843, 0.3769 by changing the saturation by 10% instead.


 20.5758, 0.4843,
0.3769


 20.5758, 0.4843,
0.3769


255.0154, 0.3880,
0.3570


 12.8143, 0.5108,
0.3786


 44.3805, 0.4471,
0.3715


 7.3008, 0.5453,
0.3779


 61.1924, 0.4338,
0.3689


 3.6509, 0.6014,
0.3772

 81.7900, 0.4227,
0.3664

 1.4803, 0.6522,
0.3478

 106.5575, 0.4135,
0.3641

 0.2748, 0.7904,
0.2096

 135.8794, 0.4056,
0.3621

 0.0000, 0.0000,
0.0000

 170.1401, 0.3989,

0.3602

209.7240, 0.3931,
0.3585

■ 20.5758, 0.4843,
0.3769

■ 20.5758, 0.4843,
0.3769

■ 18.0127, 0.5211,
0.3786

■ 23.6228, 0.4484,
0.3720

■ 15.9035, 0.5556,
0.3760

■ 27.1748, 0.4154,
0.3651

■ 14.2191, 0.5844,
0.3688

■ 31.2556, 0.3862,
0.3571

■ 13.5751, 0.5961,
0.3649

■ 35.8864, 0.3609,
0.3489

■ 41.0873, 0.3395,
0.3407

■ 46.8770, 0.3213,
0.3330

■ 53.2738, 0.3060,
0.3258

■ 60.2948, 0.2931,
0.3191

■ 67.9567, 0.2822,
0.3131

Harmonies

Analogous

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



20.5758, 0.4587, 0.3155



20.5758, 0.4843, 0.3769



20.5758, 0.4562, 0.4381

Triad

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



20.5758, 0.4843, 0.3769



20.5758, 0.2342, 0.4127



20.5758, 0.2227, 0.2011

Complementary

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



20.5758, 0.4843, 0.3769



26.8655, 0.2214, 0.2667

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.



20.5758, 0.1795, 0.2075



20.5758, 0.4843, 0.3769



20.5758, 0.1837, 0.3172

Square

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



20.5758, 0.4843, 0.3769



20.5758, 0.3103, 0.4811



20.5758, 0.1662, 0.2445



20.5758, 0.2951, 0.2202

Rectangle

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



20.5758, 0.4843, 0.3769



20.5758, 0.4157, 0.4719



20.5758, 0.1662, 0.2445



20.5758, 0.2049, 0.2002

Sweetspot

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



20.5769, 0.4843, 0.3769



69.7369, 0.3496, 0.3447



16.7039, 0.3714, 0.2199



14.4349, 0.3557, 0.3470



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.



20.5769, 0.4843, 0.3769



30.6951, 0.5384, 0.3779



37.3967, 0.4218, 0.4526



9.9923, 0.3281, 0.3360



9.3615, 0.5938, 0.3667



0.4852, 0.5454, 0.4052

Inverse Universe

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



26.8655, 0.2214, 0.2667



42.6493, 0.2080, 0.2498



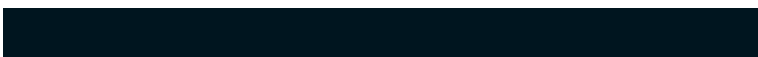
11.9958, 0.1958, 0.1579



10.3112, 0.2985, 0.3219



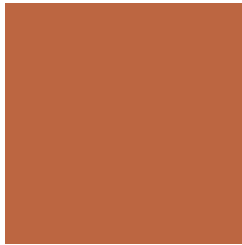
13.7297, 0.1970, 0.2290



0.6474, 0.2044, 0.2558

Previews

White Background



This preview shows how the Yxy color 20.5758, 0.4843, 0.3769 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 20.5758, 0.4843, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

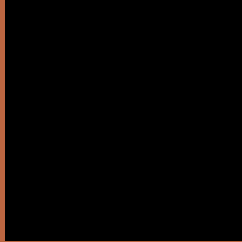
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5758, 0.4843, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 20.5758, 0.4843, 0.3769.



This preview shows how white text looks on a background with the Yxy color 20.5758, 0.4843, 0.3769.

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

20.5758, 0.4843, 0.3769

Protanopia

20.8060, 0.3886, 0.4224

Deuteranopia

20.7384, 0.4291, 0.4222



Tritanopia

20.4960, 0.4371, 0.3198

Trichromacy



Original Color

20.5758, 0.4843, 0.3769

Protanomaly

20.2327, 0.4236, 0.4047

Deuteranomaly

20.3735, 0.4508, 0.4044

Tritanomaly

20.4807, 0.4552, 0.3416

Monochromacy



Original Color

20.5758, 0.4843, 0.3769

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6731, 0.3705, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5758, 0.4843, 0.3769 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, 102, 65)` looks like.

```
.text, #text, p{  
    color:rgb(188, 102, 65)  
}
```

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, 102, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 102, 65) }
```

Border

The CSS property to change the border of an element to Yxy 20.5758, 0.4843, 0.3769 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, 102, 65) }
```

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

```
.border{ border-color:rgb(188, 102, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 102, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 102, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 102, 65);  
box-shadow:4px 4px 4px 4px rgb(188, 102,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5758, 0.4843, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 102, 65) }
```

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

```
.background{ background-color: rgb(188,  
102, 65) }
```

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