

Converting Colors

$Y_{xy}(19.9382, 0.5052, 0.3905)$

Have a look what the booklet for
Yxy(19.9382, 0.5052, 0.3905)
contains.

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Color

Yxy(20.0191, 0.5050, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	BC6430
RGB	188, 100, 48
RGB Percent	74%, 39%, 19%
CMY	0.2628, 0.6078, 0.8118
CMYK	0.00, 0.47, 0.74, 0.26
HSL	22°, 59%, 46%
HSV	22°, 74%, 74%
XYZ	25.8294, 20.0191, 5.2989
YIQ	120.3840, 69.1400, 2.4840

Conversions

Conversions Part 2

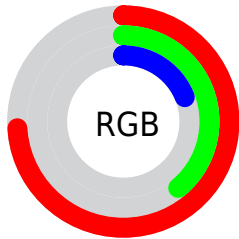
Format	Color
R _Y B	188, 131, 48
Decimal	12346416
CIE Lab	51.86, 31.37, 43.98
CIE LCh	52, 54.020, 54.501
Yxy	20.0191, 0.5050, 0.3914
Android (android.graphics.Color)	4290536496 (0xFFBC6430)
YUV	120.3840, -35.6853, 59.2992
Hunter-Lab	44.7427, 24.7462, 24.2982

Details

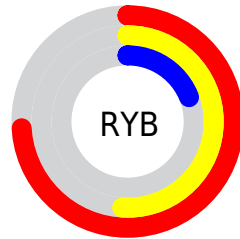
The Yxy color **20.0191, 0.5050, 0.3914** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **21.8651, 0.2082, 0.2383**, and the grayscale version is **19.0128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4593, 0.4648, 0.3851**, and **7.0348, 0.5659, 0.3889** is the 20% darker color. If you saturate the color by 10%, you get **17.7916, 0.5368, 0.3903**, and if you desaturate by 10%, it is **22.6433, 0.4715, 0.3880**.

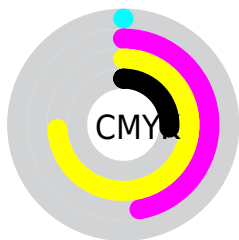
Distribution



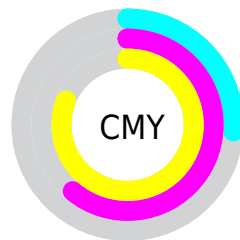
- Red (74%)
- Green (39%)
- Blue (19%)



- Red (74%)
- Yellow (51%)
- Blue (19%)



- Cyan (0%)
- Magenta (47%)
- Yellow (74%)
- Black (26%)





- Cyan (26%)
- Magenta (61%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0191, 0.5050, 0.3914 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 20.0191, 0.5050, 0.3914 by changing the saturation by 10% instead.


 20.0191, 0.5050,
0.3914

 20.0191, 0.5050,
0.3914


252.0185, 0.3986,
0.3663


 12.4089, 0.5326,
0.3927


 43.4492, 0.4649,
0.3852


 7.0228, 0.5672,
0.3903


 60.0379, 0.4501,
0.3819


 3.4764, 0.6170,
0.3830

 80.3883, 0.4378,
0.3787

 1.3852, 0.6560,
0.3440

 104.8847, 0.4274,
0.3757

 0.2058, 0.8246,
0.1754

 133.9115, 0.4186,
0.3730

 0.0000, 0.0000,
0.0000

 167.8532, 0.4110,

0.3706

207.0940, 0.4044,
0.3684

■ 20.0191, 0.5050,
0.3914

■ 20.0191, 0.5050,
0.3914

■ 17.7916, 0.5368,
0.3903

■ 22.6433, 0.4715,
0.3880

■ 15.9346, 0.5643,
0.3841

■ 25.6815, 0.4389,
0.3812

■ 15.0512, 0.5778,
0.3794

■ 29.1539, 0.4086,
0.3724

■ 33.0780, 0.3815,
0.3626

■ 37.4703, 0.3577,
0.3524

■ 42.3465, 0.3372,
0.3425

■ 47.7213, 0.3197,
0.3330

■ 53.6090, 0.3047,
0.3242

■ 60.0231, 0.2919,
0.3161

Harmonies

Analogous

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



20.0191, 0.4902, 0.3236



20.0191, 0.5050, 0.3914



20.0191, 0.4609, 0.4600

Triad

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



20.0191, 0.5050, 0.3914



20.0191, 0.2094, 0.4053



20.0191, 0.2236, 0.1885

Complementary

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



20.0191, 0.5050, 0.3914



21.8651, 0.2082, 0.2383

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.



20.0191, 0.1704, 0.1892



20.0191, 0.5050, 0.3914



20.0191, 0.1615, 0.2951

Square

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



20.0191, 0.5050, 0.3914



20.0191, 0.2901, 0.4976



20.0191, 0.1499, 0.2216



20.0191, 0.3100, 0.2143

Rectangle

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



20.0191, 0.5050, 0.3914



20.0191, 0.4105, 0.4978



20.0191, 0.1499, 0.2216



20.0191, 0.2020, 0.1856

Sweetspot

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



20.0202, 0.5050, 0.3914



69.6996, 0.3531, 0.3503



14.6016, 0.3991, 0.2217



14.4960, 0.3591, 0.3530



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.



20.0202, 0.5050, 0.3914



30.1516, 0.5539, 0.3872



39.4041, 0.4256, 0.4722



10.1013, 0.3279, 0.3376



10.3796, 0.5755, 0.3812



0.5330, 0.5301, 0.4173

Inverse Universe

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



21.8651, 0.2082, 0.2383



33.3149, 0.1951, 0.2156



8.2339, 0.1779, 0.1193



10.1975, 0.2985, 0.3203



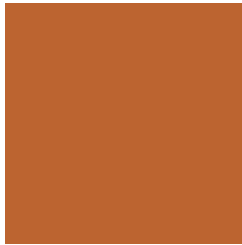
11.4658, 0.1900, 0.2041



0.5705, 0.1993, 0.2374

Previews

White Background



This preview shows how the Yxy color 20.0191, 0.5050, 0.3914 looks on a white background.

Color Contrast Check

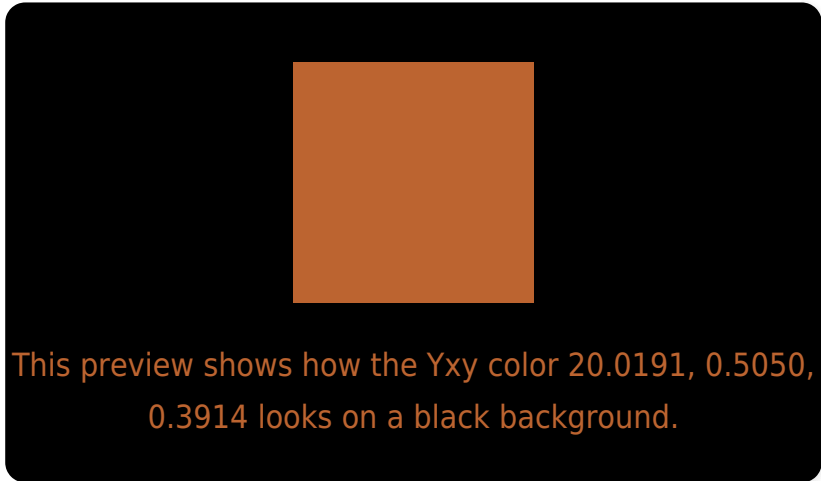
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.0191, 0.5050, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 20.0191, 0.5050, 0.3914.



This preview shows how white text looks on a background with the Yxy color 20.0191, 0.5050, 0.3914.

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

20.0191, 0.5050, 0.3914

Protanopia

20.0944, 0.4084, 0.4466

Deuteranopia

20.0998, 0.4479, 0.4406



Tritanopia

20.0214, 0.4449, 0.3200

Trichromacy



Original Color

20.0191, 0.5050, 0.3914

Protanomaly

19.5773, 0.4449, 0.4257

Deuteranomaly

19.7738, 0.4701, 0.4207

Tritanomaly

19.9221, 0.4704, 0.3479

Monochromacy



Original Color

20.0191, 0.5050, 0.3914

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6381, 0.3814, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0191, 0.5050, 0.3914 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, 100, 48)` looks like.

```
.text, #text, p{  
    color:rgb(188, 100, 48)  
}
```

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, 100, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 100, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.0191, 0.5050, 0.3914 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, 100, 48) }
```

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

```
.border{ border-color:rgb(188, 100, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 100, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 100, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 100, 48);  
box-shadow:4px 4px 4px 4px rgb(188, 100,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0191, 0.5050, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 100, 48) }
```

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

```
.background{ background-color: rgb(188,  
100, 48) }
```

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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