

Converting Colors

$Y_{xy}(19.8824, 0.5160, 0.3977)$

Have a look what the booklet for
Yxy(19.8824, 0.5160, 0.3977)
contains.

Yxy(19.8824, 0.5160, 0.3977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8824, 0.5160, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	BD6326
RGB	189, 99, 38
RGB Percent	74%, 39%, 15%
CMY	0.2589, 0.6117, 0.8508
CMYK	0.00, 0.48, 0.80, 0.26
HSL	24°, 66%, 45%
HSV	24°, 80%, 74%
XYZ	25.7966, 19.8824, 4.3144
YIQ	118.9560, 73.2210, 0.1090

Conversions

Conversions Part 2

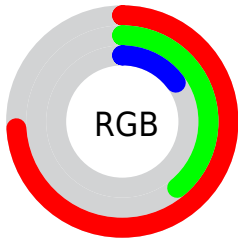
Format	Color
R _Y B	189, 140, 38
Decimal	12411686
CIE Lab	51.70, 31.90, 48.55
CIE LCh	52, 58.089, 56.692
Yxy	19.8824, 0.5160, 0.3977
Android (android.graphics.Color)	4290601766 (0xFFBD6326)
YUV	118.9560, -39.9113, 61.4286
Hunter-Lab	44.5897, 25.2363, 25.4760

Details

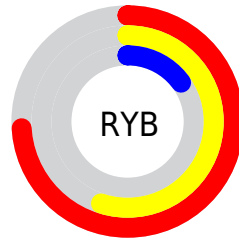
The Yxy color **19.8824, 0.5160, 0.3977** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.5280, 0.2007, 0.2214**, and the grayscale version is **18.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1618, 0.4741, 0.3916**, and **6.9483, 0.5680, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **17.8029, 0.5444, 0.3944**, and if you desaturate by 10%, it is **22.3238, 0.4847, 0.3959**.

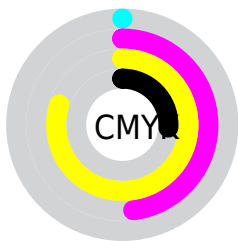
Distribution



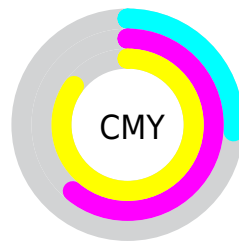
- Red (74%)
- Green (39%)
- Blue (15%)



- Red (74%)
- Yellow (55%)
- Blue (15%)



- Cyan (0%)
- Magenta (48%)
- Yellow (80%)
- Black (26%)





- Cyan (26%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8824, 0.5160, 0.3977 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 19.8824, 0.5160, 0.3977 by changing the saturation by 10% instead.


 19.8824, 0.5160,
0.3977


 19.8824, 0.5160,
0.3977


251.2778, 0.4048,
0.3712


 12.3096, 0.5436,
0.3982


 43.2199, 0.4748,
0.3917


 6.9549, 0.5799,
0.3958


 59.7534, 0.4593,
0.3882

 3.4339, 0.6194,
0.3806

 80.0426, 0.4464,
0.3848

 1.3622, 0.6591,
0.3409

 104.4719, 0.4355,
0.3816

 0.1886, 0.8363,
0.1637

 133.4257, 0.4261,
0.3786

 0.0000, 0.0000,
0.0000

 167.2883, 0.4180,

0.3759

206.4442, 0.4110,
0.3734

■ 19.8824, 0.5160,
0.3977

■ 19.8824, 0.5160,
0.3977

■ 17.8029, 0.5444,
0.3944

■ 22.3238, 0.4847,
0.3959

■ 16.0535, 0.5685,
0.3867

■ 25.1436, 0.4528,
0.3901

■ 16.0335, 0.5688,
0.3866

■ 28.3608, 0.4224,
0.3815

■ 31.9920, 0.3944,
0.3713

■ 36.0525, 0.3695,
0.3604

■ 40.5571, 0.3476,
0.3494

■ 45.5195, 0.3288,
0.3389

■ 50.9528, 0.3125,
0.3289

■ 56.8696, 0.2986,
0.3196

Harmonies

Analogous

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



19.8824, 0.5071, 0.3265



19.8824, 0.5160, 0.3977



19.8824, 0.4635, 0.4712

Triad

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



19.8824, 0.5160, 0.3977



19.8824, 0.1966, 0.4021



19.8824, 0.2230, 0.1814

Complementary

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



19.8824, 0.5160, 0.3977



19.5280, 0.2007, 0.2214

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.



19.8824, 0.1648, 0.1796



19.8824, 0.5160, 0.3977



19.8824, 0.1499, 0.2839

Square

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



19.8824, 0.5160, 0.3977



19.8824, 0.2797, 0.5080



19.8824, 0.1410, 0.2100



19.8824, 0.3171, 0.2103

Rectangle

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



19.8824, 0.5160, 0.3977



19.8824, 0.4080, 0.5121



19.8824, 0.1410, 0.2100



19.8824, 0.1995, 0.1777

Sweetspot

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



19.8835, 0.5160, 0.3977



68.9085, 0.3571, 0.3543



13.7805, 0.4176, 0.2247



14.2079, 0.3650, 0.3582



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.



19.8835, 0.5160, 0.3977



29.4445, 0.5627, 0.3883



41.1890, 0.4263, 0.4817



10.1520, 0.3278, 0.3383



10.9306, 0.5665, 0.3884



0.5569, 0.5231, 0.4228

Inverse Universe

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



19.5280, 0.2007, 0.2214



28.4149, 0.1879, 0.1944



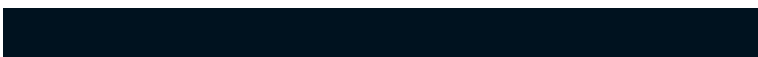
6.6444, 0.1688, 0.0996



10.1453, 0.2984, 0.3195



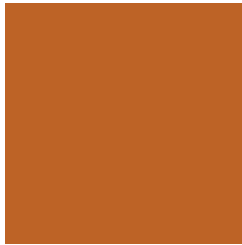
10.5197, 0.1869, 0.1926



0.5372, 0.1969, 0.2288

Previews

White Background



This preview shows how the Yxy color 19.8824, 0.5160, 0.3977 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 19.8824, 0.5160, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

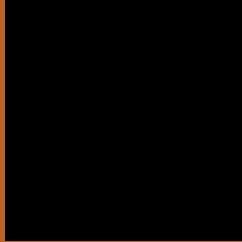
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8824, 0.5160, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 19.8824, 0.5160, 0.3977.



This preview shows how white text looks on a background with the Yxy color 19.8824, 0.5160, 0.3977.

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

19.8824, 0.5160, 0.3977

Protanopia

20.0080, 0.4170, 0.4593

Deuteranopia

19.8894, 0.4589, 0.4492



Tritanopia

19.9360, 0.4499, 0.3214

Trichromacy



Original Color

19.8824, 0.5160, 0.3977

Protanomaly

19.5967, 0.4551, 0.4360

Deuteranomaly

19.5922, 0.4813, 0.4283

Tritanomaly

19.7966, 0.4795, 0.3526

Monochromacy



Original Color

19.8824, 0.5160, 0.3977

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2558, 0.3860, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8824, 0.5160, 0.3977 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, 99, 38)` looks like.

```
.text, #text, p{  
    color:rgb(189, 99, 38)  
}
```

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, 99, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 99, 38) }
```

Border

The CSS property to change the border of an element to Yxy 19.8824, 0.5160, 0.3977 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, 99, 38) }
```

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

```
.border{ border-color:rgb(189, 99, 38) }
```

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

Here you see how a box with a 4 pixel rgb(189, 99, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 99, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 99, 38);  
box-shadow:4px 4px 4px 4px rgb(189, 99,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8824, 0.5160, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 99, 38) }
```

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

```
.background{ background-color: rgb(189, 99,  
38) }
```

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