

Converting Colors

$Yxy(19.8392, 0.4830, 0.3718)$

Have a look what the booklet for
Yxy(19.8392, 0.4830, 0.3718)
contains.

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Color

Yxy(19.7680, 0.4830, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	BA6343
RGB	186, 99, 67
RGB Percent	73%, 39%, 26%
CMY	0.2705, 0.6118, 0.7372
CMYK	0.00, 0.47, 0.64, 0.27
HSL	16°, 47%, 50%
HSV	16°, 64%, 73%
XYZ	25.7288, 19.7680, 7.7719
YIQ	121.3650, 62.1240, 8.4920

Conversions

Conversions Part 2

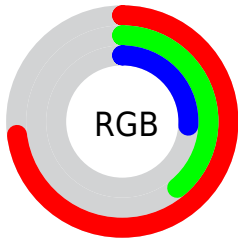
Format	Color
RYB	186, 111, 67
Decimal	12215107
CIELab	51.57, 32.18, 33.54
CIElCh	52, 46.480, 46.192
Yxy	19.7680, 0.4830, 0.3711
Android (android.graphics.Color)	4290405187 (0xFFBA6343)
YUV	121.3650, -26.8019, 56.6849
Hunter-Lab	44.4612, 25.4870, 20.7589

Details

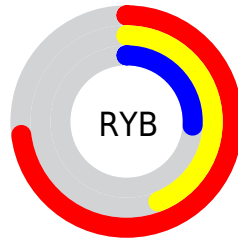
The Yxy color **19.7680, 0.4830, 0.3711** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **27.8658, 0.2246, 0.2752**, and the grayscale version is **19.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9870, 0.4453, 0.3665**, and **6.9283, 0.5455, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **17.2166, 0.5213, 0.3728**, and if you desaturate by 10%, it is **22.8274, 0.4461, 0.3666**.

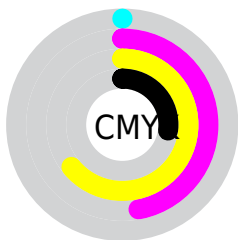
Distribution



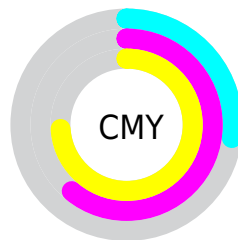
- Red (73%)
- Green (39%)
- Blue (26%)



- Red (73%)
- Yellow (44%)
- Blue (26%)



- Cyan (0%)
- Magenta (47%)
- Yellow (64%)
- Black (27%)





- Cyan (27%)
- Magenta (61%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7680, 0.4830, 0.3711 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 19.7680, 0.4830, 0.3711 by changing the saturation by 10% instead.


 19.7680, 0.4830,
0.3711


 19.7680, 0.4830,
0.3711


250.6564, 0.3865,
0.3539


 12.2265, 0.5101,
0.3723


 43.0279, 0.4454,
0.3667


 6.8981, 0.5458,
0.3708


 59.5151, 0.4320,
0.3644


 3.3985, 0.6036,
0.3687

 79.7529, 0.4210,
0.3622

 1.3431, 0.6610,
0.3390

 104.1259, 0.4118,
0.3602

 0.1742, 0.8458,
0.1542

 133.0183, 0.4040,
0.3584

 0.0000, 0.0000,
0.0000

166.8146, 0.3974,

0.3568

205.8992, 0.3916,
0.3553

■ 19.7680, 0.4830,
0.3711

■ 19.7680, 0.4830,
0.3711

■ 17.2166, 0.5213,
0.3728

■ 22.8274, 0.4461,
0.3666

■ 15.1412, 0.5576,
0.3705

■ 26.4181, 0.4125,
0.3603

■ 13.5106, 0.5882,
0.3639

■ 30.5657, 0.3832,
0.3531

■ 12.7214, 0.6036,
0.3589

■ 35.2930, 0.3580,
0.3457

■ 40.6217, 0.3368,
0.3384

■ 46.5721, 0.3190,
0.3316

■ 53.1639, 0.3040,
0.3252

■ 60.4155, 0.2915,
0.3194

■ 68.3448, 0.2809,
0.3141

Harmonies

Analogous

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



19.7680, 0.4524, 0.3103



19.7680, 0.4830, 0.3711



19.7680, 0.4596, 0.4322

Triad

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



19.7680, 0.4830, 0.3711



19.7680, 0.2410, 0.4202



19.7680, 0.2182, 0.2014

Complementary

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



19.7680, 0.4830, 0.3711



27.8658, 0.2246, 0.2752

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.



19.7680, 0.1779, 0.2104



19.7680, 0.4830, 0.3711



19.7680, 0.1879, 0.3256

Square

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



19.7680, 0.4830, 0.3711



19.7680, 0.3179, 0.4828



19.7680, 0.1675, 0.2503



19.7680, 0.2877, 0.2183

Rectangle

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



19.7680, 0.4830, 0.3711



19.7680, 0.4213, 0.4670



19.7680, 0.1675, 0.2503



19.7680, 0.2014, 0.2013

Sweetspot

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



19.7690, 0.4830, 0.3711



68.3171, 0.3477, 0.3423



16.8004, 0.3634, 0.2171



14.4453, 0.3540, 0.3444



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.



19.7690, 0.4830, 0.3711



29.4789, 0.5374, 0.3723



35.3871, 0.4229, 0.4462



9.3943, 0.3281, 0.3352



8.6645, 0.6013, 0.3607



0.4112, 0.5494, 0.4019

Inverse Universe

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



27.8658, 0.2246, 0.2752



45.0149, 0.2119, 0.2609



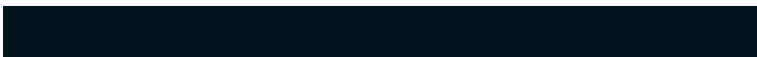
12.8852, 0.1999, 0.1689



9.7913, 0.2985, 0.3227



14.3645, 0.2002, 0.2406



0.6027, 0.2072, 0.2660

Previews

White Background



This preview shows how the Yxy color 19.7680, 0.4830, 0.3711 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 19.7680, 0.4830, 0.3711 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 19.7680, 0.4830, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 19.7680, 0.4830, 0.3711.



This preview shows how white text looks on a background with the Yxy color 19.7680, 0.4830, 0.3711.

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

19.7680, 0.4830, 0.3711

Protanopia

19.8386, 0.3836, 0.4140

Deuteranopia

19.9911, 0.4251, 0.4182



Tritanopia

19.8154, 0.4405, 0.3212

Trichromacy



Original Color

19.7680, 0.4830, 0.3711

Protanomaly

19.3857, 0.4202, 0.3965

Deuteranomaly

19.6316, 0.4470, 0.4004

Tritanomaly

19.6518, 0.4567, 0.3389

Monochromacy



Original Color

19.7680, 0.4830, 0.3711

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7696, 0.3720, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7680, 0.4830, 0.3711 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(186, 99, 67)` looks like.

```
.text, #text, p{  
    color:rgb(186, 99, 67)  
}
```

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(186, 99, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 99, 67) }
```

Border

The CSS property to change the border of an element to Yxy 19.7680, 0.4830, 0.3711 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(186, 99, 67) }
```

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

```
.border{ border-color:rgb(186, 99, 67) }
```

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

Here you see how a box with a 4 pixel rgb(186, 99, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 99, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 99, 67);  
box-shadow:4px 4px 4px 4px rgb(186, 99,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7680, 0.4830, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 99, 67) }
```

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

```
.background{ background-color: rgb(186, 99,  
67) }
```

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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