

Converting Colors

$Y_{xy}(18.8806, 0.5041, 0.3810)$

Have a look what the booklet for
Yxy(18.8806, 0.5041, 0.3810)
contains.

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Color

Yxy(18.8806, 0.5041, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	BA5F35
RGB	186, 95, 53
RGB Percent	73%, 37%, 21%
CMY	0.2707, 0.6274, 0.7922
CMYK	0.00, 0.49, 0.72, 0.27
HSL	19°, 56%, 47%
HSV	19°, 72%, 73%
XYZ	24.9809, 18.8806, 5.6939
YIQ	117.4210, 67.7180, 6.2300

Conversions

Conversions Part 2

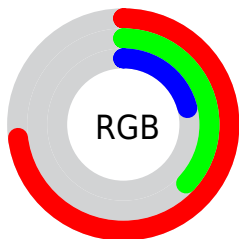
Format	Color
R _Y B	186, 114, 53
Decimal	12214069
CIE Lab	50.55, 33.44, 39.95
CIE LCh	51, 52.093, 50.070
Yxy	18.8806, 0.5041, 0.3810
Android (android.graphics.Color)	4290404149 (0xFFBA5F35)
YUV	117.4210, -31.7596, 60.1438
Hunter-Lab	43.4518, 26.5807, 22.6469

Details

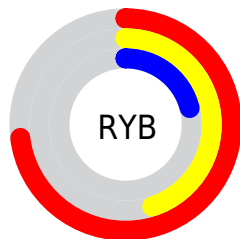
The Yxy color **18.8806, 0.5041, 0.3810** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **24.2310, 0.2146, 0.2562**, and the grayscale version is **18.0127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5812, 0.4634, 0.3768**, and **6.4770, 0.5701, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **16.6344, 0.5393, 0.3804**, and if you desaturate by 10%, it is **21.5695, 0.4681, 0.3776**.

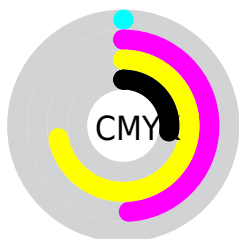
Distribution



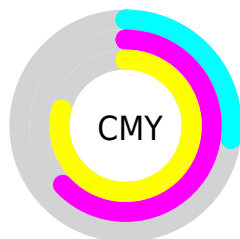
- Red (73%)
- Green (37%)
- Blue (21%)



- Red (73%)
- Yellow (45%)
- Blue (21%)



- Cyan (0%)
- Magenta (49%)
- Yellow (72%)
- Black (27%)





- Cyan (27%)
- Magenta (63%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8806, 0.5041, 0.3810 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 18.8806, 0.5041, 0.3810 by changing the saturation by 10% instead.


 18.8806, 0.5041,
0.3810


 18.8806, 0.5041,
0.3810


245.7888, 0.3964,
0.3607


 11.5840, 0.5331,
0.3814


 41.5322, 0.4628,
0.3763


 6.4611, 0.5702,
0.3778


 57.6561, 0.4478,
0.3736


 3.1274, 0.6287,
0.3713

 77.4912, 0.4354,
0.3710

 1.1986, 0.6722,
0.3278

 101.4219, 0.4250,
0.3686

 0.0606, 0.9352,
0.0648

 129.8326, 0.4162,
0.3663

 0.0000, 0.0000,
0.0000

 163.1078, 0.4087,

0.3643

201.6317, 0.4021,
0.3624

■ 18.8806, 0.5041,
0.3810

■ 18.8806, 0.5041,
0.3810

■ 16.6344, 0.5393,
0.3804

■ 21.5695, 0.4681,
0.3776

■ 14.8014, 0.5703,
0.3751

■ 24.7218, 0.4338,
0.3714

■ 13.5422, 0.5923,
0.3679

■ 28.3604, 0.4027,
0.3636

■ 32.5057, 0.3754,
0.3551

■ 37.1769, 0.3519,
0.3464

■ 42.3921, 0.3319,
0.3381

■ 48.1685, 0.3150,
0.3301

■ 54.5225, 0.3007,
0.3228

■ 61.4700, 0.2886,
0.3161

Harmonies

Analogous

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



18.8806, 0.4795, 0.3145



18.8806, 0.5041, 0.3810



18.8806, 0.4683, 0.4491

Triad

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



18.8806, 0.5041, 0.3810



18.8806, 0.2212, 0.4204



18.8806, 0.2150, 0.1887

Complementary

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



18.8806, 0.5041, 0.3810



24.2310, 0.2146, 0.2562

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.



18.8806, 0.1673, 0.1936



18.8806, 0.5041, 0.3810



18.8806, 0.1682, 0.3102

Square

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



18.8806, 0.5041, 0.3810



18.8806, 0.3040, 0.5016



18.8806, 0.1516, 0.2313



18.8806, 0.2958, 0.2105

Rectangle

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



18.8806, 0.5041, 0.3810



18.8806, 0.4215, 0.4885



18.8806, 0.1516, 0.2313



18.8806, 0.1954, 0.1872

Sweetspot

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



18.8816, 0.5041, 0.3810



67.5468, 0.3516, 0.3463



15.0594, 0.3789, 0.2136



14.3352, 0.3577, 0.3487



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.



18.8816, 0.5041, 0.3810



28.1052, 0.5583, 0.3779



35.6214, 0.4306, 0.4599



9.4631, 0.3280, 0.3363



9.2334, 0.5899, 0.3698



0.4400, 0.5382, 0.4108

Inverse Universe

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



24.2310, 0.2146, 0.2562



37.9736, 0.2019, 0.2371



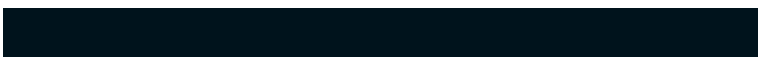
9.9775, 0.1859, 0.1409



9.7189, 0.2985, 0.3216



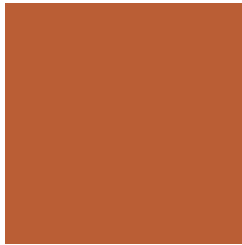
12.7730, 0.1955, 0.2239



0.5561, 0.2039, 0.2542

Previews

White Background



This preview shows how the Yxy color 18.8806, 0.5041, 0.3810 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 18.8806, 0.5041, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

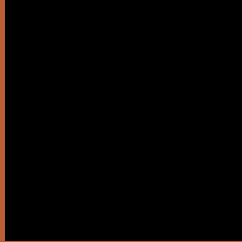
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8806, 0.5041, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 18.8806, 0.5041, 0.3810.



This preview shows how white text looks on a background with the Yxy color 18.8806, 0.5041, 0.3810.

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

18.8806, 0.5041, 0.3810

Protanopia

19.0800, 0.4001, 0.4360

Deuteranopia

18.9589, 0.4409, 0.4344



Tritanopia

18.8482, 0.4519, 0.3213

Trichromacy



Original Color

18.8806, 0.5041, 0.3810

Protanomaly

18.6661, 0.4384, 0.4155

Deuteranomaly

18.7419, 0.4644, 0.4136

Tritanomaly

18.7983, 0.4735, 0.3454

Monochromacy



Original Color

18.8806, 0.5041, 0.3810

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.4962, 0.3795, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8806, 0.5041, 0.3810 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, 95, 53)` looks like.

```
.text, #text, p{  
    color:rgb(186, 95, 53)  
}
```

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, 95, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 95, 53) }
```

Border

The CSS property to change the border of an element to Yxy 18.8806, 0.5041, 0.3810 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, 95, 53) }
```

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

```
.border{ border-color:rgb(186, 95, 53) }
```

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

Here you see how a box with a 4 pixel rgb(186, 95, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 95, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 95, 53);  
box-shadow:4px 4px 4px 4px rgb(186, 95,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8806, 0.5041, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 95, 53) }
```

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

```
.background{ background-color: rgb(186, 95,  
53) }
```

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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