

Converting Colors

$Y_{xy}(18.8538, 0.4690, 0.3608)$

Have a look what the booklet for
Yxy(18.8538, 0.4690, 0.3608)
contains.

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Color

Yxy(18.8676, 0.4701, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	B5614A
RGB	181, 97, 74
RGB Percent	71%, 38%, 29%
CMY	0.2901, 0.6196, 0.7098
CMYK	0.00, 0.46, 0.59, 0.29
HSL	13°, 42%, 50%
HSV	13°, 59%, 71%
XYZ	24.5697, 18.8676, 8.8275
YIQ	119.4940, 57.4470, 10.6550

Conversions

Conversions Part 2

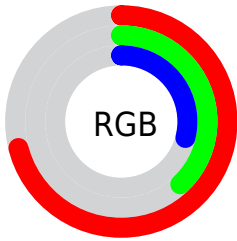
Format	Color
R _Y B	181, 103, 74
Decimal	11886922
CIE Lab	50.53, 31.73, 28.15
CIE LCh	51, 42.420, 41.573
Yxy	18.8676, 0.4701, 0.3610
Android (android.graphics.Color)	4290077002 (0xFFB5614A)
YUV	119.4940, -22.4285, 53.9408
Hunter-Lab	43.4369, 24.9525, 18.3565

Details

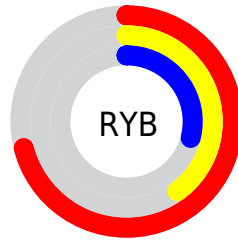
The Yxy color **18.8676, 0.4701, 0.3610** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.2578, 0.2321, 0.2903**, and the grayscale version is **18.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4502, 0.4340, 0.3580**, and **6.4877, 0.5332, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **16.2633, 0.5103, 0.3632**, and if you desaturate by 10%, it is **22.0147, 0.4327, 0.3567**.

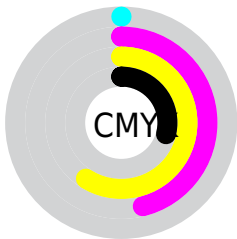
Distribution



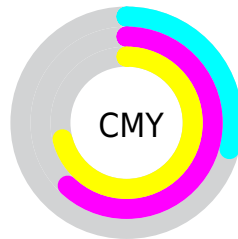
- Red (71%)
- Green (38%)
- Blue (29%)



- Red (71%)
- Yellow (40%)
- Blue (29%)



- Cyan (0%)
- Magenta (46%)
- Yellow (59%)
- Black (29%)



- Cyan (29%)
- Magenta (62%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8676, 0.4701, 0.3610 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 18.8676, 0.4701, 0.3610 by changing the saturation by 10% instead.


 18.8676, 0.4701,
0.3610


 18.8676, 0.4701,
0.3610


245.7169, 0.3797,
0.3480


 11.5746, 0.4965,
0.3618


 41.5103, 0.4343,
0.3577

 6.4548, 0.5322,
0.3604


 57.6287, 0.4218,
0.3559


 3.1235, 0.5865,
0.3557

 77.4579, 0.4115,
0.3543

 1.1966, 0.6646,
0.3354

 101.3820, 0.4030,
0.3528

 0.0589, 0.9338,
0.0662

 129.7856, 0.3958,
0.3514

 0.0000, 0.0000,
0.0000

163.0530, 0.3896,

0.3502

201.5686, 0.3843,
0.3490

■ 18.8676, 0.4701,
0.3610

■ 18.8676, 0.4701,
0.3610

■ 16.2633, 0.5103,
0.3632

■ 22.0147, 0.4327,
0.3567

■ 14.1675, 0.5502,
0.3624

■ 25.7304, 0.3997,
0.3513

■ 12.5464, 0.5854,
0.3579

■ 30.0423, 0.3714,
0.3454

■ 11.3561, 0.6125,
0.3507

■ 34.9754, 0.3476,
0.3395

■ 11.2686, 0.6147,
0.3502

■ 40.5531, 0.3278,
0.3338

■ 46.7979, 0.3114,
0.3285

■ 53.7307, 0.2977,
0.3237

■ 61.3720, 0.2863,
0.3192

■ 69.7411, 0.2767,
0.3152

Harmonies

Analogous

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



18.8676, 0.4335, 0.3039



18.8676, 0.4701, 0.3610



18.8676, 0.4565, 0.4188

Triad

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



18.8676, 0.4701, 0.3610



18.8676, 0.2565, 0.4249



18.8676, 0.2166, 0.2088

Complementary

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



18.8676, 0.4701, 0.3610



29.2578, 0.2321, 0.2903

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.



18.8676, 0.1827, 0.2219



18.8676, 0.4701, 0.3610



18.8676, 0.2019, 0.3397

Square

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



18.8676, 0.4701, 0.3610



18.8676, 0.3305, 0.4741



18.8676, 0.1773, 0.2651



18.8676, 0.2782, 0.2210

Rectangle

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



18.8676, 0.4701, 0.3610



18.8676, 0.4245, 0.4522



18.8676, 0.1773, 0.2651



18.8676, 0.2021, 0.2101

Sweetspot

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



18.8686, 0.4701, 0.3610



63.3961, 0.3459, 0.3390



17.2494, 0.3477, 0.2156



13.1228, 0.3522, 0.3407



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8686, 0.4701, 0.3610



27.8743, 0.5227, 0.3633



31.7877, 0.4205, 0.4307



8.7914, 0.3282, 0.3340



7.8524, 0.6127, 0.3517



0.3320, 0.5602, 0.3934

Inverse Universe

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



29.2578, 0.2321, 0.2903



47.9712, 0.2202, 0.2801



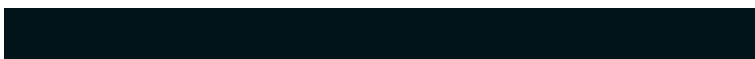
15.1246, 0.2115, 0.1958



9.3156, 0.2986, 0.3240



15.7661, 0.2054, 0.2594



0.5735, 0.2114, 0.2810

Previews

White Background



This preview shows how the Yxy color 18.8676, 0.4701, 0.3610 looks on a white background.

Color Contrast Check

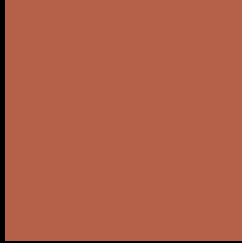
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8676, 0.4701, 0.3610 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 18.8676, 0.4701, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 18.8676, 0.4701, 0.3610.



This preview shows how white text looks on a background with the Yxy color 18.8676, 0.4701, 0.3610.

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

18.8676, 0.4701, 0.3610

Protanopia

19.1246, 0.3713, 0.3999

Deuteranopia

18.9067, 0.4135, 0.4057



Tritanopia

18.8161, 0.4371, 0.3195

Trichromacy



Original Color

18.8676, 0.4701, 0.3610

Protanomaly

18.5571, 0.4063, 0.3840

Deuteranomaly

18.5510, 0.4352, 0.3881

Tritanomaly

18.7058, 0.4491, 0.3336

Monochromacy



Original Color

18.8676, 0.4701, 0.3610

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.0989, 0.3660, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8676, 0.4701, 0.3610 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(181, 97, 74)` looks like.

```
.text, #text, p{  
    color:rgb(181, 97, 74)  
}
```

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(181, 97, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 97, 74) }
```

Border

The CSS property to change the border of an element to Yxy 18.8676, 0.4701, 0.3610 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(181, 97, 74) }
```

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

```
.border{ border-color:rgb(181, 97, 74) }
```

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

Here you see how a box with a 4 pixel rgb(181, 97, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 97, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 97, 74);  
box-shadow:4px 4px 4px 4px rgb(181, 97,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8676, 0.4701, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 97, 74) }
```

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

```
.background{ background-color: rgb(181, 97,  
74) }
```

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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