

Converting Colors

$Yxy(18.4446, 0.4902, 0.3586)$

Have a look what the booklet for
Yxy(18.4446, 0.4902, 0.3586)
contains.

Yxy(18.4643, 0.4914, 0.3589)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.4643, 0.4914, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	BB5B44
RGB	187, 91, 68
RGB Percent	73%, 36%, 27%
CMY	0.2666, 0.6432, 0.7333
CMYK	0.00, 0.51, 0.64, 0.27
HSL	12°, 47%, 50%
HSV	12°, 64%, 73%
XYZ	25.2810, 18.4643, 7.7016
YIQ	117.0820, 64.5990, 13.1990

Conversions

Conversions Part 2

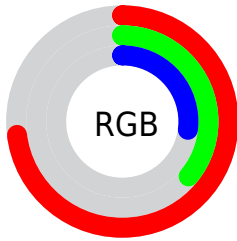
Format	Color
RYB	187, 97, 68
Decimal	12278596
CIELab	50.05, 36.84, 31.17
CIELCh	50, 48.258, 40.240
Yxy	18.4643, 0.4914, 0.3589
Android (android.graphics.Color)	4290468676 (0xFFBB5B44)
YUV	117.0820, -24.1974, 61.3181
Hunter-Lab	42.9701, 29.8209, 19.4524

Details

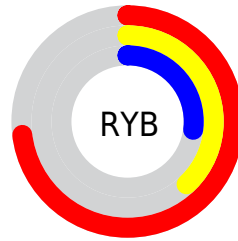
The Yxy color **18.4643, 0.4914, 0.3589** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.3795, 0.2285, 0.2911**, and the grayscale version is **17.8776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7034, 0.4505, 0.3568**, and **6.2410, 0.5586, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **15.9468, 0.5329, 0.3595**, and if you desaturate by 10%, it is **21.5754, 0.4515, 0.3559**.

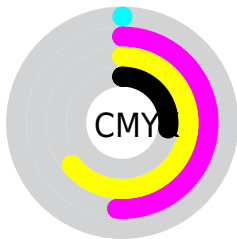
Distribution



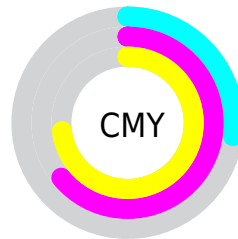
- Red (73%)
- Green (36%)
- Blue (27%)



- Red (73%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (64%)
- Black (27%)




- Cyan (27%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4643, 0.4914, 0.3589 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 18.4643, 0.4914, 0.3589 by changing the saturation by 10% instead.


 18.4643, 0.4914,
0.3589

 18.4643, 0.4914,
0.3589


243.4752, 0.3889,
0.3487


 11.2838, 0.5208,
0.3580


 40.8269, 0.4511,
0.3572


 6.2581, 0.5601,
0.3536

 56.7778, 0.4368,
0.3559


 3.0026, 0.6251,
0.3474

 76.4211, 0.4252,
0.3545

 1.1331, 0.6900,
0.3100

 100.1410, 0.4154,
0.3532

 0.0060, 0.9934,
0.0066

 128.3219, 0.4073,
0.3519

 0.0000, 0.0000,
0.0000

161.3484, 0.4002,

0.3508

199.6047, 0.3942,
0.3497

■ 18.4643, 0.4914,
0.3589

■ 18.4643, 0.4914,
0.3589

■ 15.9468, 0.5329,
0.3595

■ 21.5754, 0.4515,
0.3559

■ 13.9813, 0.5719,
0.3570

■ 25.3119, 0.4155,
0.3514

■ 12.5256, 0.6034,
0.3510

■ 29.7071, 0.3845,
0.3463

■ 11.8358, 0.6190,
0.3467

■ 34.7909, 0.3583,
0.3409

■ 40.5913, 0.3365,
0.3357

■ 47.1349, 0.3185,
0.3307

■ 54.4467, 0.3036,
0.3261

■ 62.5508, 0.2912,
0.3220

■ 71.4700, 0.2809,
0.3182

Harmonies

Analogous

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



18.4643, 0.4479, 0.2967



18.4643, 0.4914, 0.3589



18.4643, 0.4760, 0.4237

Triad

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



18.4643, 0.4914, 0.3589



18.4643, 0.2509, 0.4446



18.4643, 0.2023, 0.1947

Complementary

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



18.4643, 0.4914, 0.3589



31.3795, 0.2285, 0.2911

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.



18.4643, 0.1667, 0.2094



18.4643, 0.4914, 0.3589



18.4643, 0.1893, 0.3444

Square

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



18.4643, 0.4914, 0.3589



18.4643, 0.3342, 0.4979



18.4643, 0.1618, 0.2579



18.4643, 0.2692, 0.2074

Rectangle

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



18.4643, 0.4914, 0.3589



18.4643, 0.4397, 0.4636



18.4643, 0.1618, 0.2579



18.4643, 0.1870, 0.1963

Sweetspot

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



18.4653, 0.4914, 0.3589



66.6336, 0.3483, 0.3386



17.4258, 0.3484, 0.2067



14.0335, 0.3549, 0.3401



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.



18.4653, 0.4914, 0.3589



27.1804, 0.5474, 0.3590



32.5836, 0.4313, 0.4346



9.8267, 0.3284, 0.3335



8.2351, 0.6172, 0.3482



0.4134, 0.5726, 0.3835

Inverse Universe

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



31.3795, 0.2285, 0.2911



51.8055, 0.2178, 0.2816



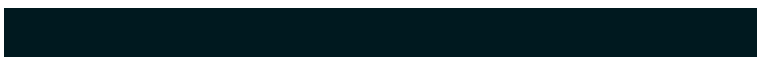
15.0629, 0.2044, 0.1869



10.4878, 0.2985, 0.3245



17.7970, 0.2074, 0.2667



0.7789, 0.2120, 0.2832

Previews

White Background



This preview shows how the Yxy color 18.4643, 0.4914, 0.3589 looks on a white background.

Color Contrast Check

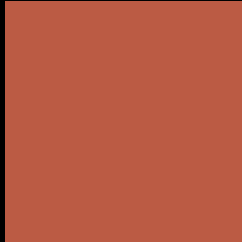
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4643, 0.4914, 0.3589 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 18.4643, 0.4914, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 18.4643, 0.4914, 0.3589.



This preview shows how white text looks on a background with the Yxy color 18.4643, 0.4914, 0.3589.

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

18.4643, 0.4914, 0.3589

Protanopia

18.7433, 0.3754, 0.4059

Deuteranopia

18.5966, 0.4226, 0.4148



Tritanopia

18.4790, 0.4565, 0.3214

Trichromacy



Original Color

18.4643, 0.4914, 0.3589

Protanomaly

18.0246, 0.4182, 0.3865

Deuteranomaly

18.3711, 0.4487, 0.3924

Tritanomaly

18.4920, 0.4698, 0.3348

Monochromacy



Original Color

18.4643, 0.4914, 0.3589

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3768, 0.3730, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4643, 0.4914, 0.3589 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(187, 91, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 91, 68)  
}
```

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(187, 91, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 91, 68) }
```

Border

The CSS property to change the border of an element to Yxy 18.4643, 0.4914, 0.3589 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(187, 91, 68) }
```

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

```
.border{ border-color:rgb(187, 91, 68) }
```

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

Here you see how a box with a 4 pixel rgb(187, 91, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 91, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 91, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 91,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4643, 0.4914, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 91, 68) }
```

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

```
.background{ background-color: rgb(187, 91,  
68) }
```

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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