

# Converting Colors

$Y_{xy}(18.3855, 0.4832, 0.3651)$

Have a look what the booklet for  
Yxy(18.3855, 0.4832, 0.3651)  
contains.

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**Color**

**Yxy(18.3557, 0.4839, 0.3654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B65E43
RGB	182, 94, 67
RGB Percent	71%, 37%, 26%
CMY	0.2862, 0.6314, 0.7373
CMYK	0.00, 0.48, 0.63, 0.29
HSL	14°, 46%, 49%
HSV	14°, 63%, 71%
XYZ	24.3085, 18.3557, 7.5703
YIQ	117.2340, 61.1150, 10.2590

# Conversions

## Conversions Part 2

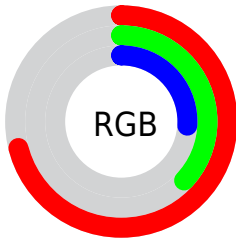
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 102, 67
Decimal	11951683
CIELab	49.92, 33.22, 31.42
CIELCh	50, 45.727, 43.409
Yxy	18.3557, 0.4839, 0.3654
Android (android.graphics.Color)	4290141763 (0xFFB65E43)
YUV	117.2340, -24.7654, 56.7998
Hunter-Lab	42.8436, 26.3008, 19.5141

# Details

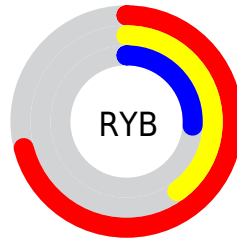
The Yxy color **18.3557, 0.4839, 0.3654** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.0129, 0.2271, 0.2830**, and the grayscale version is **17.9298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6960, 0.4449, 0.3618**, and **6.2198, 0.5501, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **15.9142, 0.5236, 0.3668**, and if you desaturate by 10%, it is **21.3147, 0.4459, 0.3614**.

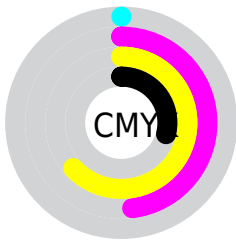
# Distribution



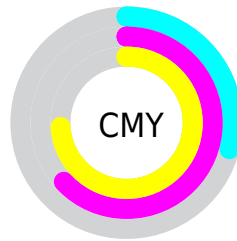
- Red (71%)
- Green (37%)
- Blue (26%)



- Red (71%)
- Yellow (40%)
- Blue (26%)



- Cyan (0%)
- Magenta (48%)
- Yellow (63%)
- Black (29%)




- Cyan (29%)
- Magenta (63%)
- Yellow (74%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3557, 0.4839, 0.3654 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 18.3557, 0.4839, 0.3654 by changing the saturation by 10% instead.





 18.3557, 0.4839,  
0.3654


 18.3557, 0.4839,  
0.3654


242.8684, 0.3857,  
0.3511

 11.2057, 0.5122,  
0.3658


 40.6425, 0.4452,  
0.3620

 6.2053, 0.5499,  
0.3633

 56.5481, 0.4315,  
0.3601


 2.9703, 0.6143,  
0.3608

 76.1409, 0.4204,  
0.3583

 1.1163, 0.6748,  
0.3252

 99.8054, 0.4111,  
0.3565

 0.0000, 1.0000,  
0.0000

 127.9261, 0.4032,  
0.3550

 0.0000, 0.0000,  
0.0000

160.8872, 0.3965,

0.3536

199.0731, 0.3907,  
0.3523

■ 18.3557, 0.4839,  
0.3654

■ 18.3557, 0.4839,  
0.3654

■ 15.9142, 0.5236,  
0.3668

■ 21.3147, 0.4459,  
0.3614

■ 13.9565, 0.5615,  
0.3646

■ 24.8164, 0.4116,  
0.3559

■ 12.4493, 0.5932,  
0.3585

■ 28.8877, 0.3819,  
0.3496

■ 11.6551, 0.6107,  
0.3533

■ 33.5528, 0.3566,  
0.3431

■ 38.8346, 0.3354,  
0.3368

■ 44.7546, 0.3177,  
0.3308

■ 51.3335, 0.3030,  
0.3253

■ 58.5907, 0.2907,  
0.3202

■ 66.5452, 0.2804,  
0.3156

# Harmonies

## Analogous

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



18.3557, 0.4480, 0.3047



18.3557, 0.4839, 0.3654



18.3557, 0.4648, 0.4273

# Triad

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



18.3557, 0.4839, 0.3654



18.3557, 0.2468, 0.4292



18.3557, 0.2125, 0.2003

# Complementary

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



18.3557, 0.4839, 0.3654



28.0129, 0.2271, 0.2830

# 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.



18.3557, 0.1748, 0.2118



18.3557, 0.4839, 0.3654



18.3557, 0.1905, 0.3341

# Square

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



18.3557, 0.4839, 0.3654



18.3557, 0.3255, 0.4867



18.3557, 0.1670, 0.2552



18.3557, 0.2799, 0.2150



# Rectangle

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



18.3557, 0.4839, 0.3654



18.3557, 0.4282, 0.4637



18.3557, 0.1670, 0.2552



18.3557, 0.1965, 0.2010

# Sweetspot

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



18.3567, 0.4839, 0.3654



64.3976, 0.3479, 0.3406



16.3316, 0.3566, 0.2139



13.6379, 0.3542, 0.3424



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



18.3567, 0.4839, 0.3654



27.2942, 0.5395, 0.3664



32.5931, 0.4249, 0.4407



9.3454, 0.3282, 0.3344



8.3170, 0.6088, 0.3548



0.3906, 0.5581, 0.3951



# Inverse Universe

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



28.0129, 0.2271, 0.2830



45.9427, 0.2150, 0.2709



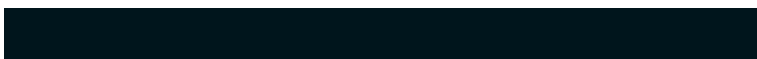
13.2429, 0.2030, 0.1781



9.8434, 0.2985, 0.3235



15.5840, 0.2035, 0.2524

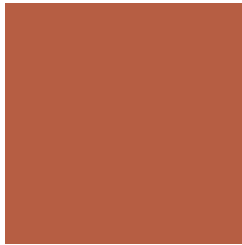


0.6376, 0.2096, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 18.3557, 0.4839, 0.3654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

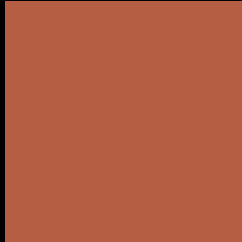
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 18.3557, 0.4839, 0.3654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

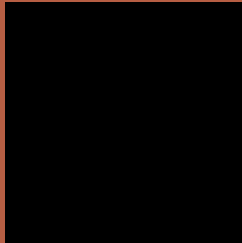
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.3557, 0.4839, 0.3654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.3557, 0.4839, 0.3654.



This preview shows how white text looks on a background with the Yxy color 18.3557, 0.4839, 0.3654.

# 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

18.3557, 0.4839, 0.3654

### Protanopia

18.4613, 0.3796, 0.4096

### Deuteranopia

18.5045, 0.4212, 0.4153



## Tritanopia

18.3657, 0.4453, 0.3197

# Trichromacy



## Original Color

18.3557, 0.4839, 0.3654

## Protanomaly

18.0225, 0.4171, 0.3921

## Deuteranomaly

18.2565, 0.4449, 0.3966

## Tritanomaly

18.2213, 0.4605, 0.3363

# Monochromacy



## Original Color

18.3557, 0.4839, 0.3654

## Achromatopsia

17.7888, 0.3127, 0.3290

## Achromatomaly

17.5009, 0.3711, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.3557, 0.4839, 0.3654 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(182, 94, 67)` looks like.

```
.text, #text, p{  
    color:rgb(182, 94, 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(182, 94, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 94, 67) }
```

## Border

The CSS property to change the border of an element to Yxy 18.3557, 0.4839, 0.3654 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(182, 94, 67) }
```

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

```
.border{ border-color:rgb(182, 94, 67) }
```

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

Here you see how a box with a 4 pixel rgb(182, 94, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 94, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 94, 67);  
box-shadow:4px 4px 4px 4px rgb(182, 94,  
67) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.3557, 0.4839, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 94, 67) }
```

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

```
.background{ background-color: rgb(182, 94,  
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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