

Converting Colors

$Y_{xy}(24.8027, 0.4394, 0.3646)$

Have a look what the booklet for
Yxy(24.8027, 0.4394, 0.3646)
contains.

Yxy(24.8059, 0.4394, 0.3646)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.8059, 0.4394, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	BF765C
RGB	191, 118, 92
RGB Percent	75%, 46%, 36%
CMY	0.2510, 0.5372, 0.6393
CMYK	0.00, 0.38, 0.52, 0.25
HSL	16°, 44%, 55%
HSV	16°, 52%, 75%
XYZ	29.8950, 24.8059, 13.3350
YIQ	136.8630, 51.8540, 7.3900

Conversions

Conversions Part 2

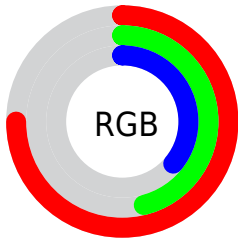
Format	Color
RYB	191, 127, 92
Decimal	12547676
CIELab	56.89, 25.87, 26.34
CIElCh	57, 36.924, 45.518
Yxy	24.8059, 0.4394, 0.3646
Android (android.graphics.Color)	4290737756 (0xFFBF765C)
YUV	136.8630, -22.1175, 47.4781
Hunter-Lab	49.8055, 19.9822, 18.9894

Details

The Yxy color **24.8059, 0.4394, 0.3646** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.9386, 0.2383, 0.2879**, and the grayscale version is **25.0327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4330, 0.4117, 0.3592**, and **9.5218, 0.4838, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **21.4415, 0.4760, 0.3695**, and if you desaturate by 10%, it is **28.7521, 0.4064, 0.3582**.

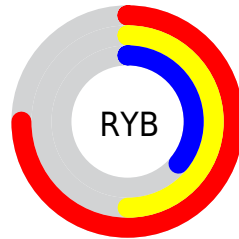
Distribution



Red (75%)

Green (46%)

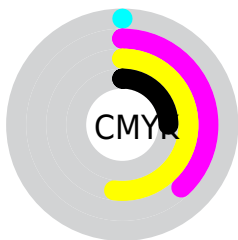
Blue (36%)



Red (75%)

Yellow (50%)

Blue (36%)

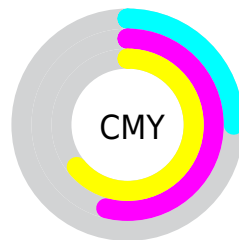


Cyan (0%)

Magenta (38%)

Yellow (52%)

Black (25%)



Cyan (25%)


Magenta (54%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8059, 0.4394, 0.3646 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 24.8059, 0.4394, 0.3646 by changing the saturation by 10% instead.


 24.8059, 0.4394,
0.3646


 24.8059, 0.4394,
0.3646


276.8699, 0.3692,
0.3485


 15.9325, 0.4590,
0.3674


 51.3422, 0.4123,
0.3595

 9.4764, 0.4853,
0.3699


 69.7738, 0.4026,
0.3573

 5.0532, 0.5218,
0.3706

 92.1603, 0.3945,
0.3553

 2.2785, 0.5916,
0.3764

 118.8861, 0.3878,
0.3536

 0.7623, 0.6582,
0.3418

150.3356, 0.3821,
0.3521

 0.0000, 1.0000,
0.0000

186.8931, 0.3772,

 0.0000, 0.0000,

0.3508

0.0000

228.9431, 0.3729,
0.3496

■ 24.8059, 0.4394,
0.3646

■ 24.8059, 0.4394,
0.3646

■ 21.4415, 0.4760,
0.3695

■ 28.7521, 0.4064,
0.3582

■ 18.6268, 0.5146,
0.3717

■ 33.3025, 0.3777,
0.3511

■ 16.3322, 0.5520,
0.3702

■ 38.4831, 0.3533,
0.3438

■ 14.5233, 0.5841,
0.3644

■ 44.3171, 0.3328,
0.3368

■ 13.3735, 0.6052,
0.3576

■ 50.8265, 0.3156,
0.3302

■ 58.0323, 0.3011,
0.3240

■ 65.9544, 0.2891,
0.3184

■ 74.6122, 0.2789,
0.3133

■ 83.4384, 0.2747,
0.3179

Harmonies

Analogous

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



24.8059, 0.4146, 0.3162



24.8059, 0.4394, 0.3646



24.8059, 0.4257, 0.4106

Triad

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



24.8059, 0.4394, 0.3646



24.8059, 0.2617, 0.3956



24.8059, 0.2401, 0.2302

Complementary

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



24.8059, 0.4394, 0.3646



32.9386, 0.2383, 0.2879

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.



24.8059, 0.2081, 0.2394



24.8059, 0.4394, 0.3646



24.8059, 0.2188, 0.3301

Square

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



24.8059, 0.4394, 0.3646



24.8059, 0.3211, 0.4393



24.8059, 0.2006, 0.2731



24.8059, 0.2938, 0.2427

Rectangle

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



24.8059, 0.4394, 0.3646



24.8059, 0.3987, 0.4340



24.8059, 0.2006, 0.2731



24.8059, 0.2268, 0.2307

Sweetspot

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



24.8072, 0.4394, 0.3646



74.6140, 0.3414, 0.3399



21.4906, 0.3488, 0.2327



15.9090, 0.3457, 0.3413



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



24.8072, 0.4394, 0.3646



37.7774, 0.4804, 0.3699



39.2099, 0.4030, 0.4260



9.9332, 0.3282, 0.3351



8.9032, 0.6029, 0.3595



0.4597, 0.5544, 0.3980

Inverse Universe

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



32.9386, 0.2383, 0.2879



53.7658, 0.2258, 0.2773



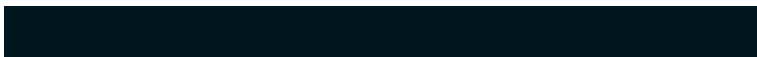
18.6986, 0.2222, 0.2062



10.3737, 0.2985, 0.3228



15.0906, 0.2007, 0.2425



0.6922, 0.2071, 0.2656

Previews

White Background



This preview shows how the Yxy color 24.8059, 0.4394, 0.3646 looks on a white background.

Color Contrast Check

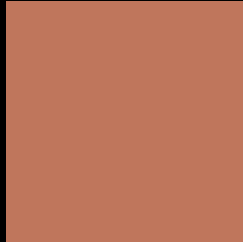
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8059, 0.4394, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

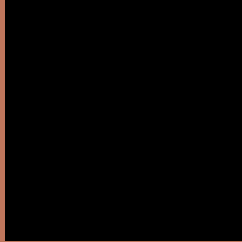
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8059, 0.4394, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 24.8059, 0.4394, 0.3646.



This preview shows how white text looks on a background with the Yxy color 24.8059, 0.4394, 0.3646.

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

24.8059, 0.4394, 0.3646

Protanopia

25.0145, 0.3640, 0.3912

Deuteranopia

24.9532, 0.4017, 0.3941



Tritanopia

24.7772, 0.4050, 0.3183

Trichromacy



Original Color

24.8059, 0.4394, 0.3646

Protanomaly

24.6149, 0.3908, 0.3811

Deuteranomaly

24.6586, 0.4153, 0.3826

Tritanomaly

24.6156, 0.4181, 0.3348

Monochromacy



Original Color

24.8059, 0.4394, 0.3646

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5138, 0.3552, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8059, 0.4394, 0.3646 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(191, 118, 92)` looks like.

```
.text, #text, p{  
    color:rgb(191, 118, 92)  
}
```

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(191, 118, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 118, 92) }
```

Border

The CSS property to change the border of an element to Yxy 24.8059, 0.4394, 0.3646 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(191, 118, 92) }
```

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

```
.border{ border-color:rgb(191, 118, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 118, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 118, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 118, 92);  
box-shadow:4px 4px 4px 4px rgb(191, 118,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8059, 0.4394, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 118, 92) }
```

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

```
.background{ background-color: rgb(191,  
118, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor