

Converting Colors

$Y_{xy}(18.0525, 0.3794, 0.3865)$

Have a look what the booklet for
Yxy(18.0525, 0.3794, 0.3865)
contains.

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Color

Yxy(18.0525, 0.3794, 0.3865)

Conversions

Conversions Part 1

Format	Color
Hex	877354
RGB	135, 115, 84
RGB Percent	53%, 45%, 33%
CMY	0.4706, 0.5490, 0.6707
CMYK	0.00, 0.15, 0.38, 0.47
HSL	36°, 23%, 43%
HSV	36°, 38%, 53%
XYZ	17.7209, 18.0525, 10.9343
YIQ	117.4460, 21.8710, -5.4010

Conversions

Conversions Part 2

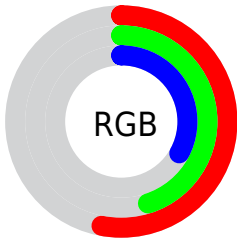
Format	Color
R_{YB}	117, 135, 84
Decimal	8876884
CIE _{Lab}	49.56, 3.05, 20.07
CIE _{LCh}	50, 20.303, 81.346
Yxy	18.0525, 0.3794, 0.3865
Android (android.graphics.Color)	4287066964 (0xFF877354)
YUV	117.4460, -16.4889, 15.3949
Hunter-Lab	42.4882, 0.0939, 14.4836

Details

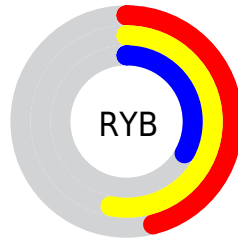
The Yxy color **18.0525, 0.3794, 0.3865** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.5264, 0.2527, 0.2634**, and the grayscale version is **17.9818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1775, 0.3637, 0.3736**, and **6.0391, 0.4081, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **16.6901, 0.4007, 0.4015**, and if you desaturate by 10%, it is **19.5266, 0.3594, 0.3709**.

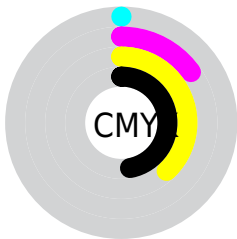
Distribution



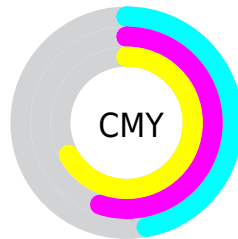
- Red (53%)
- Green (45%)
- Blue (33%)



- Red (46%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (15%)
- Yellow (38%)
- Black (47%)





- Cyan (47%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0525, 0.3794, 0.3865 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 18.0525, 0.3794, 0.3865 by changing the saturation by 10% instead.


 18.0525, 0.3794,
0.3865


 18.0525, 0.3794,
0.3865


241.1668, 0.3410,
0.3539


 10.9877, 0.3910,
0.3960


 40.1268, 0.3640,
0.3736


 6.0586, 0.4072,
0.4090

 55.9050, 0.3587,
0.3691


 2.8807, 0.4310,
0.4274

 75.3565, 0.3544,
0.3654

 1.0698, 0.5078,
0.4922

 98.8657, 0.3508,
0.3623

 0.0000, 1.0000,
0.0000

 126.8169, 0.3477,
0.3597

 0.0000, 0.0000,
0.0000

159.5945, 0.3452,

0.3575

197.5831, 0.3429,
0.3556

■ 18.0525, 0.3794,
0.3865

■ 18.0525, 0.3794,
0.3865

■ 16.6901, 0.4007,
0.4015

■ 19.5266, 0.3594,
0.3709

■ 15.4333, 0.4229,
0.4152

■ 21.1131, 0.3411,
0.3553

■ 14.2792, 0.4452,
0.4263

■ 22.8159, 0.3245,
0.3402

■ 13.2237, 0.4665,
0.4340

■ 24.6380, 0.3096,
0.3259

■ 12.2621, 0.4858,
0.4372

■ 26.5823, 0.2963,
0.3125

■ 11.3862, 0.5027,
0.4363

■ 28.6515, 0.2845,
0.3000

■ 11.2012, 0.5066,
0.4360

■ 30.8481, 0.2741,
0.2885

■ 33.1746, 0.2648,
0.2779

■ 35.6336, 0.2566,
0.2682

Harmonies

Analogous

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



18.0525, 0.3906, 0.3602



18.0525, 0.3794, 0.3865



18.0525, 0.3502, 0.3990

Triad

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



18.0525, 0.3794, 0.3865



18.0525, 0.2500, 0.3237



18.0525, 0.3095, 0.2764

Complementary

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



18.0525, 0.3794, 0.3865



13.5264, 0.2527, 0.2634

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.



18.0525, 0.2732, 0.2660



18.0525, 0.3794, 0.3865



18.0525, 0.2406, 0.2905

Square

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



18.0525, 0.3794, 0.3865



18.0525, 0.2756, 0.3617



18.0525, 0.2488, 0.2704



18.0525, 0.3489, 0.2988

Rectangle

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



18.0525, 0.3794, 0.3865



18.0525, 0.3251, 0.3958



18.0525, 0.2488, 0.2704



18.0525, 0.2965, 0.2715

Sweetspot

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



18.0533, 0.3794, 0.3865



39.7862, 0.3300, 0.3454



12.4954, 0.3649, 0.2909



9.1319, 0.3319, 0.3471



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.0533, 0.3794, 0.3865



30.3136, 0.3969, 0.3989



22.7020, 0.3609, 0.4212



5.1248, 0.3266, 0.3422



10.3569, 0.5062, 0.4363



0.0501, 0.4600, 0.4729

Inverse Universe

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



13.5264, 0.2527, 0.2634



21.0449, 0.2389, 0.2461



10.2150, 0.2528, 0.2213



4.8217, 0.2992, 0.3154



3.9759, 0.1692, 0.1290



0.0273, 0.1919, 0.2110

Previews

White Background



This preview shows how the Yxy color 18.0525, 0.3794, 0.3865 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 18.0525, 0.3794, 0.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

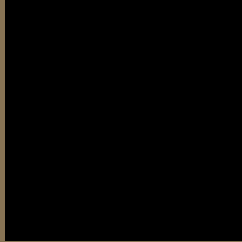
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0525, 0.3794, 0.3865

Background



This preview shows how black text looks on a background with the Yxy color 18.0525, 0.3794, 0.3865.



This preview shows how white text looks on a background with the Yxy color 18.0525, 0.3794, 0.3865.

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

18.0525, 0.3794, 0.3865

Protanopia

18.1248, 0.3652, 0.3923

Deuteranopia

18.0258, 0.3878, 0.3815



Tritanopia

17.9727, 0.3405, 0.3130

Trichromacy



Original Color

18.0525, 0.3794, 0.3865

Protanomaly

18.1243, 0.3699, 0.3896

Deuteranomaly

18.0780, 0.3843, 0.3838

Tritanomaly

18.0322, 0.3560, 0.3400

Monochromacy



Original Color

18.0525, 0.3794, 0.3865

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7958, 0.3368, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0525, 0.3794, 0.3865 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(135, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(135, 115, 84)  
}
```

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(135, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 115, 84) }
```

Border

The CSS property to change the border of an element to Yxy 18.0525, 0.3794, 0.3865 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(135, 115, 84) }
```

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

```
.border{ border-color:rgb(135, 115, 84) }
```

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

Here you see how a box with a 4 pixel rgb(135, 115, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(135, 115,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0525, 0.3794, 0.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 115, 84) }
```

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

```
.background{ background-color: rgb(135,  
115, 84) }
```

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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