

Converting Colors

$Y_{xy}(17.7287, 0.3796, 0.3840)$

Have a look what the booklet for
Yxy(17.7287, 0.3796, 0.3840)
contains.

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Color

Yxy(17.8256, 0.3800, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	877254
RGB	135, 114, 84
RGB Percent	53%, 45%, 33%
CMY	0.4706, 0.5529, 0.6705
CMYK	0.00, 0.16, 0.38, 0.47
HSL	35°, 23%, 43%
HSV	35°, 38%, 53%
XYZ	17.6078, 17.8256, 10.9029
YIQ	116.8590, 22.1460, -4.8780

Conversions

Conversions Part 2

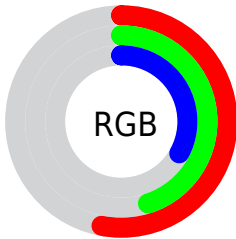
Format	Color
RYB	120, 135, 84
Decimal	8876628
CIELab	49.28, 3.64, 19.69
CIELCh	49, 20.018, 79.537
Yxy	17.8256, 0.3800, 0.3847
Android (android.graphics.Color)	4287066708 (0xFF877254)
YUV	116.8590, -16.1995, 15.9097
Hunter-Lab	42.2204, 0.5570, 14.2433

Details

The Yxy color **17.8256, 0.3800, 0.3847** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.7357, 0.2530, 0.2657**, and the grayscale version is **17.7895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8125, 0.3640, 0.3723**, and **5.9212, 0.4096, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **16.4193, 0.4018, 0.3993**, and if you desaturate by 10%, it is **19.3505, 0.3597, 0.3695**.

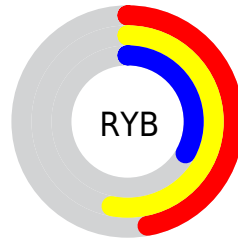
Distribution



Red (53%)

Green (45%)

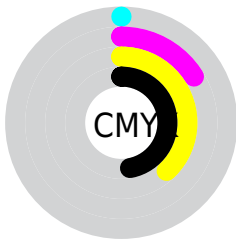
Blue (33%)



Red (47%)

Yellow (53%)

Blue (33%)

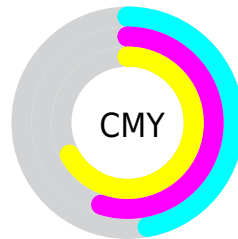


Cyan (0%)

Magenta (16%)

Yellow (38%)

Black (47%)



Cyan (47%)


Magenta (55%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8256, 0.3800, 0.3847 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 17.8256, 0.3800, 0.3847 by changing the saturation by 10% instead.


 17.8256, 0.3800,
0.3847


 17.8256, 0.3800,
0.3847


239.8862, 0.3411,
0.3531


 10.8248, 0.3918,
0.3939


 39.7399, 0.3644,
0.3722

 5.9492, 0.4084,
0.4065

 55.4223, 0.3590,
0.3679


 2.8142, 0.4328,
0.4242

 74.7673, 0.3546,
0.3643

 1.0355, 0.5119,
0.4881

 98.1594, 0.3510,
0.3613

 0.0000, 1.0000,
0.0000

 125.9829, 0.3479,
0.3588

 0.0000, 0.0000,
0.0000

158.6223, 0.3453,

0.3566

196.4619, 0.3431,
0.3547

■ 17.8256, 0.3800,
0.3847

■ 17.8256, 0.3800,
0.3847

■ 16.4193, 0.4018,
0.3993

■ 19.3505, 0.3597,
0.3695

■ 15.1254, 0.4246,
0.4125

■ 20.9949, 0.3412,
0.3545

■ 13.9407, 0.4476,
0.4233

■ 22.7630, 0.3244,
0.3398

■ 12.8609, 0.4699,
0.4306

■ 24.6578, 0.3095,
0.3260

■ 11.8813, 0.4901,
0.4335

■ 26.6824, 0.2963,
0.3130

■ 10.9932, 0.5079,
0.4320

■ 28.8397, 0.2845,
0.3009

■ 10.8041, 0.5120,
0.4316

■ 31.1324, 0.2741,
0.2898

■ 33.5631, 0.2650,
0.2796

■ 36.1346, 0.2568,
0.2702

Harmonies

Analogous

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



17.8256, 0.3898, 0.3581



17.8256, 0.3800, 0.3847



17.8256, 0.3520, 0.3981

Triad

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



17.8256, 0.3800, 0.3847



17.8256, 0.2517, 0.3261



17.8256, 0.3072, 0.2759

Complementary

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



17.8256, 0.3800, 0.3847



13.7357, 0.2530, 0.2657

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.



17.8256, 0.2718, 0.2664



17.8256, 0.3800, 0.3847



17.8256, 0.2413, 0.2926

Square

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



17.8256, 0.3800, 0.3847



17.8256, 0.2779, 0.3635



17.8256, 0.2484, 0.2717



17.8256, 0.3463, 0.2974

Rectangle

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



17.8256, 0.3800, 0.3847



17.8256, 0.3274, 0.3958



17.8256, 0.2484, 0.2717



17.8256, 0.2945, 0.2713

Sweetspot

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



17.8264, 0.3800, 0.3847



39.6444, 0.3301, 0.3449



12.5177, 0.3635, 0.2894



9.0959, 0.3320, 0.3465



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.



17.8264, 0.3800, 0.3847



29.8377, 0.3979, 0.3968



22.7684, 0.3619, 0.4208



5.1101, 0.3266, 0.3418



9.9918, 0.5116, 0.4320



0.0490, 0.4628, 0.4707

Inverse Universe

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



13.7357, 0.2530, 0.2657



21.4565, 0.2394, 0.2489



10.1793, 0.2518, 0.2211



4.8361, 0.2992, 0.3159



4.2071, 0.1708, 0.1348



0.0284, 0.1935, 0.2164

Previews

White Background



This preview shows how the Yxy color 17.8256, 0.3800, 0.3847 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 17.8256, 0.3800, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

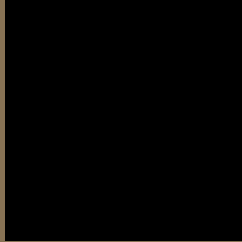
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8256, 0.3800, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 17.8256, 0.3800, 0.3847.



This preview shows how white text looks on a background with the Yxy color 17.8256, 0.3800, 0.3847.

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

17.8256, 0.3800, 0.3847

Protanopia

17.8141, 0.3643, 0.3909

Deuteranopia

17.7174, 0.3870, 0.3801



Tritanopia

17.9488, 0.3419, 0.3148

Trichromacy



Original Color

17.8256, 0.3800, 0.3847

Protanomaly

17.8138, 0.3691, 0.3882

Deuteranomaly

17.8536, 0.3849, 0.3821

Tritanomaly

17.8128, 0.3564, 0.3382

Monochromacy



Original Color

17.8256, 0.3800, 0.3847

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 17.8256, 0.3800, 0.3847 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, 114, 84)` looks like.

```
.text, #text, p{  
    color:rgb(135, 114, 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, 114, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 114, 84) }
```

Border

The CSS property to change the border of an element to Yxy 17.8256, 0.3800, 0.3847 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, 114, 84) }
```

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

```
.border{ border-color:rgb(135, 114, 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, 114, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 114, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 114, 84);  
box-shadow:4px 4px 4px 4px rgb(135, 114,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8256, 0.3800, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 114, 84) }
```

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

```
.background{ background-color: rgb(135,  
114, 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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