

Converting Colors

$Y_{xy}(18.8147, 0.3891, 0.4183)$

Have a look what the booklet for
Yxy(18.8147, 0.3891, 0.4183)
contains.

Yxy(18.8744, 0.3888, 0.4187)	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(18.8744, 0.3888, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	857847
RGB	133, 120, 71
RGB Percent	52%, 47%, 28%
CMY	0.4784, 0.5294, 0.7216
CMYK	0.00, 0.10, 0.47, 0.48
HSL	47°, 30%, 40%
HSV	47°, 47%, 52%
XYZ	17.5266, 18.8744, 8.6776
YIQ	118.3010, 23.4770, -12.4830

Conversions

Conversions Part 2

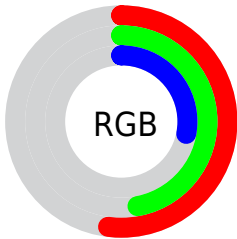
Format	Color
RYB	87, 133, 71
Decimal	8747079
CIELab	50.54, -2.22, 28.66
CIELCh	51, 28.741, 94.426
Yxy	18.8744, 0.3888, 0.4187
Android (android.graphics.Color)	4286937159 (0xFF857847)
YUV	118.3010, -23.3194, 12.8910
Hunter-Lab	43.4447, -4.0173, 18.5687

Details

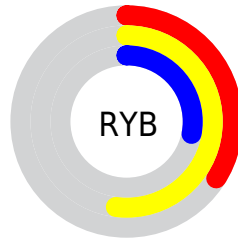
The Yxy color **18.8744, 0.3888, 0.4187** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.3705, 0.2334, 0.2187**, and the grayscale version is **18.2852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4259, 0.3722, 0.3991**, and **6.4988, 0.4168, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **18.0620, 0.4058, 0.4359**, and if you desaturate by 10%, it is **19.7455, 0.3715, 0.3999**.

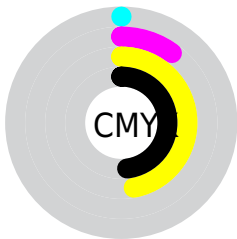
Distribution



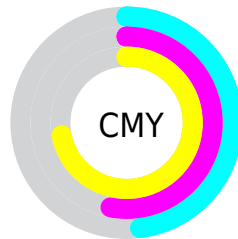
- Red (52%)
- Green (47%)
- Blue (28%)



- Red (34%)
- Yellow (52%)
- Blue (28%)



- Cyan (0%)
- Magenta (10%)
- Yellow (47%)
- Black (48%)




- Cyan (48%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8744, 0.3888, 0.4187 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 18.8744, 0.3888, 0.4187 by changing the saturation by 10% instead.

 18.8744, 0.3888,
0.4187


 18.8744, 0.3888,
0.4187


245.7545, 0.3462,
0.3678


 11.5796, 0.4007,
0.4333


 41.5218, 0.3723,
0.3987

 6.4581, 0.4162,
0.4528


 57.6431, 0.3664,
0.3917


 3.1256, 0.4417,
0.4850

 77.4753, 0.3615,
0.3859

 1.1976, 0.4726,
0.5274

 101.4029, 0.3574,
0.3811

 0.0598, 0.0427,
0.9573

 129.8102, 0.3540,
0.3770

 0.0000, 0.0000,
0.0000

163.0817, 0.3510,

0.3735

201.6016, 0.3484,
0.3705

■ 18.8744, 0.3888,
0.4187

■ 18.8744, 0.3888,
0.4187

■ 18.0620, 0.4058,
0.4359

■ 19.7455, 0.3715,
0.3999

■ 17.3029, 0.4218,
0.4505

■ 20.6751, 0.3544,
0.3803

■ 16.5952, 0.4361,
0.4616

■ 21.6661, 0.3379,
0.3606

■ 15.9355, 0.4480,
0.4686

■ 22.7208, 0.3224,
0.3413

■ 15.3180, 0.4575,
0.4716

■ 23.8411, 0.3080,
0.3229

■ 15.1154, 0.4606,
0.4724

■ 25.0289, 0.2948,
0.3055

■ 26.2858, 0.2827,
0.2893

■ 27.6136, 0.2719,
0.2743

■ 29.0139, 0.2620,
0.2605

Harmonies

Analogous

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



18.8744, 0.4176, 0.3870



18.8744, 0.3888, 0.4187



18.8744, 0.3408, 0.4271

Triad

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



18.8744, 0.3888, 0.4187



18.8744, 0.2188, 0.2982



18.8744, 0.3318, 0.2693

Complementary

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



18.8744, 0.3888, 0.4187



9.3705, 0.2334, 0.2187

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.



18.8744, 0.2780, 0.2479



18.8744, 0.3888, 0.4187



18.8744, 0.2168, 0.2605

Square

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



18.8744, 0.3888, 0.4187



18.8744, 0.2435, 0.3513



18.8744, 0.2373, 0.2440



18.8744, 0.3842, 0.3038

Rectangle

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



18.8744, 0.3888, 0.4187



18.8744, 0.3049, 0.4140



18.8744, 0.2373, 0.2440



18.8744, 0.3131, 0.2604

Sweetspot

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



18.8753, 0.3888, 0.4187



39.2243, 0.3342, 0.3561



10.1379, 0.4055, 0.3036



8.7596, 0.3372, 0.3597



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.8753, 0.3888, 0.4187



32.2536, 0.4069, 0.4369



20.9047, 0.3568, 0.4479



5.2618, 0.3262, 0.3461



14.4088, 0.4605, 0.4725



0.0602, 0.4381, 0.4903

Inverse Universe

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



9.3705, 0.2334, 0.2187



13.0660, 0.2137, 0.1883



8.2999, 0.2509, 0.1971



4.6912, 0.2992, 0.3113



2.4088, 0.1571, 0.0854



0.0172, 0.1758, 0.1529

Previews

White Background



This preview shows how the Yxy color 18.8744, 0.3888, 0.4187 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 18.8744, 0.3888, 0.4187 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 18.8744, 0.3888, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 18.8744, 0.3888, 0.4187.



This preview shows how white text looks on a background with the Yxy color 18.8744, 0.3888, 0.4187.

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

18.8744, 0.3888, 0.4187

Protanopia

18.7934, 0.3874, 0.4192

Deuteranopia

18.8403, 0.4097, 0.4030



Tritanopia

18.8680, 0.3331, 0.3131

Trichromacy



Original Color

18.8744, 0.3888, 0.4187

Protanomaly

18.7934, 0.3874, 0.4192

Deuteranomaly

18.8532, 0.4011, 0.4084

Tritanomaly

18.7245, 0.3543, 0.3511

Monochromacy



Original Color

18.8744, 0.3888, 0.4187

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3442, 0.3395, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8744, 0.3888, 0.4187 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(133, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 71)  
}
```

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(133, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 71) }
```

Border

The CSS property to change the border of an element to Yxy 18.8744, 0.3888, 0.4187 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(133, 120, 71) }
```

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

```
.border{ border-color:rgb(133, 120, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8744, 0.3888, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 71) }
```

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

```
.background{ background-color: rgb(133,  
120, 71) }
```

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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