

Converting Colors

$Y_{xy}(18.6342, 0.3906, 0.4055)$

Have a look what the booklet for
Yxy(18.6342, 0.3906, 0.4055)
contains.

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Color

Yxy(18.5489, 0.3920, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	89754B
RGB	137, 117, 75
RGB Percent	54%, 46%, 29%
CMY	0.4627, 0.5412, 0.7059
CMYK	0.00, 0.15, 0.45, 0.46
HSL	41°, 29%, 42%
HSV	41°, 45%, 54%
XYZ	17.9491, 18.5489, 9.2905
YIQ	118.1920, 25.4020, -8.8220

Conversions

Conversions Part 2

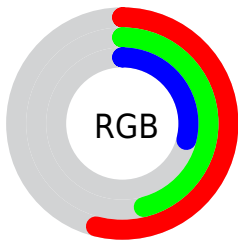
Format	Color
RYB	105, 137, 75
Decimal	9008459
CIELab	50.16, 1.71, 26.01
CIELCh	50, 26.068, 86.241
Yxy	18.5489, 0.3920, 0.4051
Android (android.graphics.Color)	4287198539 (0xFF89754B)
YUV	118.1920, -21.2937, 16.4946
Hunter-Lab	43.0684, -0.9786, 17.3582

Details

The Yxy color **18.5489, 0.3920, 0.4051** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.4885, 0.2384, 0.2380**, and the grayscale version is **18.2428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0376, 0.3750, 0.3890**, and **6.2813, 0.4210, 0.4329** is the 20% darker color. If you saturate the color by 10%, you get **17.3758, 0.4121, 0.4206**, and if you desaturate by 10%, it is **19.8128, 0.3724, 0.3883**.

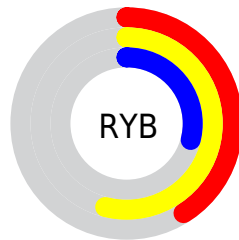
Distribution



Red (54%)

Green (46%)

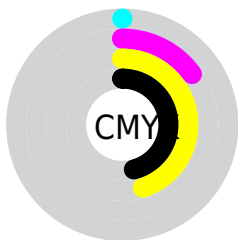
Blue (29%)



Red (41%)

Yellow (54%)

Blue (29%)

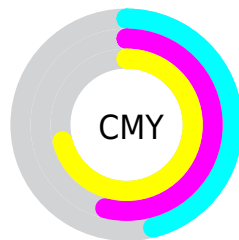


Cyan (0%)

Magenta (15%)

Yellow (45%)

Black (46%)



Cyan (46%)

Magenta (54%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5489, 0.3920, 0.4051 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 18.5489, 0.3920, 0.4051 by changing the saturation by 10% instead.

■ 18.5489, 0.3920,
0.4051

■ 18.5489, 0.3920,
0.4051

243.9470, 0.3469,
0.3623

■ 11.3448, 0.4050,
0.4172

■ 40.9704, 0.3743,
0.3884

■ 6.2992, 0.4227,
0.4334

■ 56.9567, 0.3680,
0.3824

■ 3.0279, 0.4497,
0.4579

■ 76.6390, 0.3629,
0.3776

■ 1.1463, 0.4986,
0.5014

■ 100.4019, 0.3586,
0.3735

■ 0.0172, 0.7716,
0.2284

■ 128.6298, 0.3550,
0.3700

■ 0.0000, 0.0000,
0.0000

161.7070, 0.3519,

0.3671

200.0179, 0.3493,
0.3645

■ 18.5489, 0.3920,
0.4051

■ 18.5489, 0.3920,
0.4051

■ 17.3758, 0.4121,
0.4206

■ 19.8128, 0.3724,
0.3883

■ 16.2876, 0.4320,
0.4337

■ 21.1680, 0.3537,
0.3711

■ 15.2817, 0.4508,
0.4436

■ 22.6181, 0.3364,
0.3540

■ 14.3538, 0.4676,
0.4493

■ 24.1659, 0.3205,
0.3374

■ 13.4987, 0.4818,
0.4505

■ 25.8138, 0.3061,
0.3217

■ 13.1125, 0.4883,
0.4505

■ 27.5644, 0.2931,
0.3069

■ 29.4198, 0.2815,
0.2932

■ 31.3824, 0.2711,
0.2806

■ 33.4543, 0.2619,
0.2690

Harmonies

Analogous

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



18.5489, 0.4113, 0.3729



18.5489, 0.3920, 0.4051



18.5489, 0.3518, 0.4190

Triad

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



18.5489, 0.3920, 0.4051



18.5489, 0.2306, 0.3136



18.5489, 0.3164, 0.2672

Complementary

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



18.5489, 0.3920, 0.4051



11.4885, 0.2384, 0.2380

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.



18.5489, 0.2693, 0.2515



18.5489, 0.3920, 0.4051



18.5489, 0.2228, 0.2741

Square

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



18.5489, 0.3920, 0.4051



18.5489, 0.2590, 0.3631



18.5489, 0.2363, 0.2532



18.5489, 0.3661, 0.2964

Rectangle

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



18.5489, 0.3920, 0.4051



18.5489, 0.3194, 0.4125



18.5489, 0.2363, 0.2532



18.5489, 0.2997, 0.2602

Sweetspot

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



18.5498, 0.3920, 0.4051



40.7541, 0.3348, 0.3524



11.1898, 0.3880, 0.2908



9.0274, 0.3379, 0.3555



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.



18.5498, 0.3920, 0.4051



31.1256, 0.4120, 0.4205



22.8896, 0.3647, 0.4411



5.5774, 0.3265, 0.3438



12.2344, 0.4881, 0.4507



0.1079, 0.4509, 0.4801

Inverse Universe

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



11.4885, 0.2384, 0.2380



16.8916, 0.2212, 0.2135



8.7855, 0.2435, 0.1979



5.1387, 0.2991, 0.3138



3.3949, 0.1639, 0.1099



0.0469, 0.1864, 0.1908

Previews

White Background



This preview shows how the Yxy color 18.5489, 0.3920, 0.4051 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 18.5489, 0.3920, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

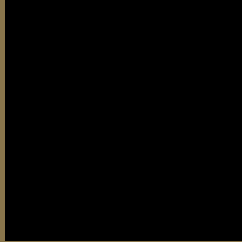
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5489, 0.3920, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 18.5489, 0.3920, 0.4051.



This preview shows how white text looks on a background with the Yxy color 18.5489, 0.3920, 0.4051.

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

18.5489, 0.3920, 0.4051

Protanopia

18.4613, 0.3796, 0.4096

Deuteranopia

18.4857, 0.4029, 0.3956



Tritanopia

18.3877, 0.3417, 0.3132

Trichromacy



Original Color

18.5489, 0.3920, 0.4051

Protanomaly

18.4652, 0.3845, 0.4067

Deuteranomaly

18.4460, 0.3979, 0.3985

Tritanomaly

18.3852, 0.3610, 0.3453

Monochromacy



Original Color

18.5489, 0.3920, 0.4051

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2761, 0.3413, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5489, 0.3920, 0.4051 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(137, 117, 75)` looks like.

```
.text, #text, p{  
    color:rgb(137, 117, 75)  
}
```

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(137, 117, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 117, 75) }
```

Border

The CSS property to change the border of an element to Yxy 18.5489, 0.3920, 0.4051 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(137, 117, 75) }
```

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

```
.border{ border-color:rgb(137, 117, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 117, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 117, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 117, 75);  
box-shadow:4px 4px 4px 4px rgb(137, 117,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5489, 0.3920, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 117, 75) }
```

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

```
.background{ background-color: rgb(137,  
117, 75) }
```

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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