

Converting Colors

$Y_{xy}(17.9523, 0.3865, 0.4018)$

Have a look what the booklet for
Yxy(17.9523, 0.3865, 0.4018)
contains.

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Color

Yxy(18.0809, 0.3873, 0.4029)

Conversions

Conversions Part 1

Format	Color
Hex	86744C
RGB	134, 116, 76
RGB Percent	53%, 45%, 30%
CMY	0.4745, 0.5451, 0.7019
CMYK	0.00, 0.13, 0.43, 0.47
HSL	41°, 28%, 41%
HSV	41°, 43%, 53%
XYZ	17.3808, 18.0809, 9.4152
YIQ	116.8220, 23.5680, -8.6240

Conversions

Conversions Part 2

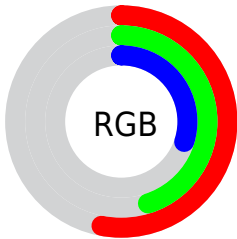
Format	Color
RYB	102, 134, 76
Decimal	8811596
CIELab	49.59, 1.07, 24.65
CIELCh	50, 24.676, 87.520
Yxy	18.0809, 0.3873, 0.4029
Android (android.graphics.Color)	4287001676 (0xFF86744C)
YUV	116.8220, -20.1252, 15.0651
Hunter-Lab	42.5216, -1.4506, 16.6371

Details

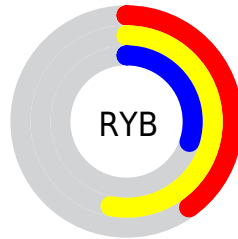
The Yxy color **18.0809, 0.3873, 0.4029** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.2649, 0.2418, 0.2413**, and the grayscale version is **17.7898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1773, 0.3705, 0.3872**, and **6.0722, 0.4168, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **16.9772, 0.4070, 0.4189**, and if you desaturate by 10%, it is **19.2680, 0.3681, 0.3858**.

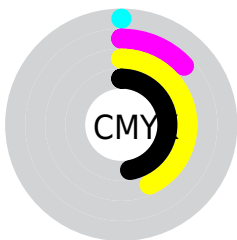
Distribution



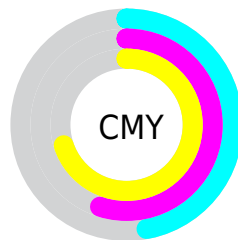
- Red (53%)
- Green (45%)
- Blue (30%)



- Red (40%)
- Yellow (53%)
- Blue (30%)



- Cyan (0%)
- Magenta (13%)
- Yellow (43%)
- Black (47%)





- Cyan (47%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0809, 0.3873, 0.4029 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 18.0809, 0.3873, 0.4029 by changing the saturation by 10% instead.


 18.0809, 0.3873,
0.4029


 18.0809, 0.3873,
0.4029


241.3266, 0.3447,
0.3610


 11.0081, 0.3998,
0.4150


 40.1751, 0.3705,
0.3864


 6.0723, 0.4167,
0.4314

 55.9653, 0.3646,
0.3806


 2.8891, 0.4428,
0.4563

 75.4301, 0.3597,
0.3758

 1.0741, 0.4945,
0.5055

 98.9539, 0.3557,
0.3718

 0.0000, 0.0000,
0.0000

 126.9210, 0.3523,
0.3685

159.7159, 0.3494,

0.3656

197.7230, 0.3469,
0.3631

■ 18.0809, 0.3873,
0.4029

■ 18.0809, 0.3873,
0.4029

■ 16.9772, 0.4070,
0.4189

■ 19.2680, 0.3681,
0.3858

■ 15.9514, 0.4266,
0.4329

■ 20.5388, 0.3499,
0.3682

■ 15.0011, 0.4451,
0.4437

■ 21.8966, 0.3330,
0.3509

■ 14.1226, 0.4619,
0.4506

■ 23.3439, 0.3175,
0.3343

■ 13.3116, 0.4760,
0.4529

■ 24.8831, 0.3034,
0.3185

■ 12.7948, 0.4850,
0.4531

■ 26.5163, 0.2907,
0.3037

■ 28.2456, 0.2793,
0.2900

■ 30.0731, 0.2692,
0.2773

■ 32.0008, 0.2601,
0.2657

Harmonies

Analogous

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



18.0809, 0.4066, 0.3729



18.0809, 0.3873, 0.4029



18.0809, 0.3484, 0.4147

Triad

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



18.0809, 0.3873, 0.4029



18.0809, 0.2333, 0.3126



18.0809, 0.3184, 0.2707

Complementary

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



18.0809, 0.3873, 0.4029



11.2649, 0.2418, 0.2413

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.



18.0809, 0.2729, 0.2550



18.0809, 0.3873, 0.4029



18.0809, 0.2267, 0.2754

Square

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



18.0809, 0.3873, 0.4029



18.0809, 0.2599, 0.3596



18.0809, 0.2405, 0.2559



18.0809, 0.3655, 0.2993

Rectangle

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



18.0809, 0.3873, 0.4029



18.0809, 0.3173, 0.4076



18.0809, 0.2405, 0.2559



18.0809, 0.3023, 0.2638

Sweetspot

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



18.0817, 0.3873, 0.4029



38.5801, 0.3330, 0.3510



11.0544, 0.3848, 0.2943



8.5851, 0.3362, 0.3543



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.



18.0817, 0.3873, 0.4029



29.9392, 0.4068, 0.4187



21.8073, 0.3613, 0.4365



5.1857, 0.3264, 0.3439



12.0120, 0.4847, 0.4533



0.0546, 0.4494, 0.4814

Inverse Universe

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



11.2649, 0.2418, 0.2413



16.2961, 0.2245, 0.2168



8.9023, 0.2486, 0.2052



4.7629, 0.2992, 0.3136



3.1542, 0.1631, 0.1071



0.0228, 0.1853, 0.1870

Previews

White Background



This preview shows how the Yxy color 18.0809, 0.3873, 0.4029 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 18.0809, 0.3873, 0.4029 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 18.0809, 0.3873, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 18.0809, 0.3873, 0.4029.



This preview shows how white text looks on a background with the Yxy color 18.0809, 0.3873, 0.4029.

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

18.0809, 0.3873, 0.4029

Protanopia

18.0819, 0.3763, 0.4070

Deuteranopia

18.0969, 0.3996, 0.3931



Tritanopia

18.1041, 0.3389, 0.3147

Trichromacy



Original Color

18.0809, 0.3873, 0.4029

Protanomaly

18.0042, 0.3798, 0.4044

Deuteranomaly

18.0594, 0.3946, 0.3959

Tritanomaly

18.1079, 0.3582, 0.3474

Monochromacy



Original Color

18.0809, 0.3873, 0.4029

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8928, 0.3389, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0809, 0.3873, 0.4029 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(134, 116, 76)` looks like.

```
.text, #text, p{  
    color:rgb(134, 116, 76)  
}
```

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(134, 116, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 116, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.0809, 0.3873, 0.4029 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(134, 116, 76) }
```

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

```
.border{ border-color:rgb(134, 116, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 116, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 116, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 116, 76);  
box-shadow:4px 4px 4px 4px rgb(134, 116,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0809, 0.3873, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 116, 76) }
```

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

```
.background{ background-color: rgb(134,  
116, 76) }
```

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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