

Converting Colors

$Y_{xy}(19.3932, 0.4026, 0.4643)$

Have a look what the booklet for
Yxy(19.3932, 0.4026, 0.4643)
contains.

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Color

$Y_{xy}(19.2877, 0.4033, 0.4638)$

Conversions

Conversions Part 1

Format	Color
Hex	817C2F
RGB	129, 124, 47
RGB Percent	51%, 49%, 18%
CMY	0.4942, 0.5137, 0.8157
CMYK	0.00, 0.04, 0.64, 0.49
HSL	56°, 47%, 35%
HSV	56°, 64%, 51%
XYZ	16.7717, 19.2877, 5.5268
YIQ	116.7170, 27.6970, -22.8870

Conversions

Conversions Part 2

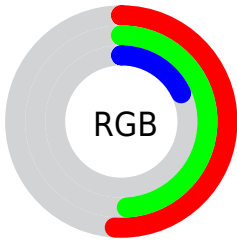
Format	Color
RYB	52, 129, 47
Decimal	8485935
CIELab	51.02, -8.44, 41.50
CIElCh	51, 42.354, 101.497
Yxy	19.2877, 0.4033, 0.4638
Android (android.graphics.Color)	4286676015 (0xFF817C2F)
YUV	116.7170, -34.3705, 10.7722
Hunter-Lab	43.9178, -8.6888, 23.2811

Details

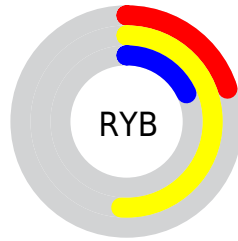
The Yxy color **19.2877, 0.4033, 0.4638** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6410, 0.1967, 0.1436**, and the grayscale version is **17.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1041, 0.3860, 0.4340**, and **6.6099, 0.4235, 0.5020** is the 20% darker color. If you saturate the color by 10%, you get **19.0042, 0.4136, 0.4778**, and if you desaturate by 10%, it is **19.6053, 0.3910, 0.4464**.

Distribution



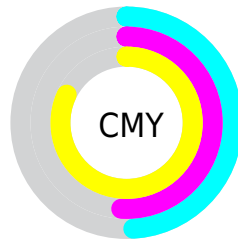
- Red (51%)
- Green (49%)
- Blue (18%)



- Red (20%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (4%)
- Yellow (64%)
- Black (49%)





- Cyan (49%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2877, 0.4033, 0.4638 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 19.2877, 0.4033, 0.4638 by changing the saturation by 10% instead.


 19.2877, 0.4033,
0.4638


 19.2877, 0.4033,
0.4638


248.0325, 0.3553,
0.3882


 11.8783, 0.4143,
0.4840


 42.2197, 0.3860,
0.4348

 6.6609, 0.4263,
0.5096


 58.5111, 0.3793,
0.4243


 3.2509, 0.4467,
0.5533

 78.5320, 0.3737,
0.4156

 1.2641, 0.4313,
0.5687

 102.6668, 0.3689,
0.4083

 0.1132, 0.0000,
1.0000

 131.2998, 0.3648,
0.4021

 0.0000, 0.0000,
0.0000

 164.8155, 0.3612,

0.3968

203.5983, 0.3581,
0.3922

■ 19.2877, 0.4033,
0.4638

■ 19.2877, 0.4033,
0.4638

■ 19.0042, 0.4136,
0.4778

■ 19.6053, 0.3910,
0.4464

■ 18.7493, 0.4215,
0.4878

■ 19.9569, 0.3772,
0.4265

■ 18.5205, 0.4270,
0.4938

■ 20.3454, 0.3625,
0.4047

■ 18.3795, 0.4300,
0.4968

■ 20.7730, 0.3474,
0.3820

■ 21.2415, 0.3324,
0.3592

■ 21.7526, 0.3178,
0.3368

■ 22.3081, 0.3039,
0.3153

■ 22.9095, 0.2909,
0.2950

■ 23.5582, 0.2788,
0.2761

Harmonies

Analogous

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



19.2877, 0.4555, 0.4181



19.2877, 0.4033, 0.4638



19.2877, 0.3307, 0.4728

Triad

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



19.2877, 0.4033, 0.4638



19.2877, 0.1783, 0.2659



19.2877, 0.3584, 0.2552

Complementary

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



19.2877, 0.4033, 0.4638



4.6410, 0.1967, 0.1436

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.



19.2877, 0.2784, 0.2218



19.2877, 0.4033, 0.4638



19.2877, 0.1836, 0.2228

Square

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



19.2877, 0.4033, 0.4638



19.2877, 0.2029, 0.3399



19.2877, 0.2172, 0.2096



19.2877, 0.4323, 0.3040

Rectangle

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



19.2877, 0.4033, 0.4638



19.2877, 0.2805, 0.4464



19.2877, 0.2172, 0.2096



19.2877, 0.3308, 0.2419

Sweetspot

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



19.2886, 0.4033, 0.4638



37.5485, 0.3412, 0.3726



6.9498, 0.4923, 0.3199



8.4539, 0.3448, 0.3781



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



19.2886, 0.4033, 0.4638



33.8445, 0.4172, 0.4825



18.2515, 0.3520, 0.4973



4.9762, 0.3257, 0.3491



17.9280, 0.4300, 0.4968



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6410, 0.1967, 0.1436



5.4233, 0.1732, 0.1038



5.4338, 0.2409, 0.1539



4.2504, 0.2993, 0.3081



1.7132, 0.1516, 0.0658



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.2877, 0.4033, 0.4638 looks on a white background.

Color Contrast Check

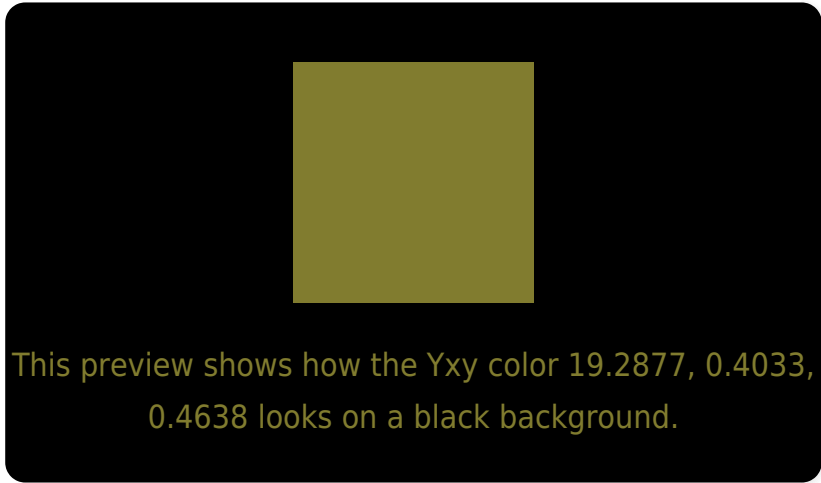
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

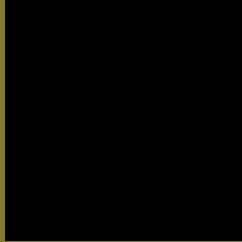
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2877, 0.4033, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 19.2877, 0.4033, 0.4638.



This preview shows how white text looks on a background with the Yxy color 19.2877, 0.4033, 0.4638.

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

19.2877, 0.4033, 0.4638

Protanopia

19.3506, 0.4157, 0.4569

Deuteranopia

19.3004, 0.4391, 0.4328



Tritanopia

19.2057, 0.3276, 0.3130

Trichromacy



Original Color

19.2877, 0.4033, 0.4638

Protanomaly

19.3497, 0.4106, 0.4606

Deuteranomaly

19.2550, 0.4260, 0.4438

Tritanomaly

19.0433, 0.3579, 0.3699

Monochromacy



Original Color

19.2877, 0.4033, 0.4638

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2706, 0.3475, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2877, 0.4033, 0.4638 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(129, 124, 47)` looks like.

```
.text, #text, p{  
    color:rgb(129, 124, 47)  
}
```

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(129, 124, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 124, 47) }
```

Border

The CSS property to change the border of an element to Yxy 19.2877, 0.4033, 0.4638 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(129, 124, 47) }
```

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

```
.border{ border-color:rgb(129, 124, 47) }
```

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

Here you see how a box with a 4 pixel rgb(129, 124, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 124, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 124, 47);  
box-shadow:4px 4px 4px 4px rgb(129, 124,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2877, 0.4033, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 124, 47) }
```

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

```
.background{ background-color: rgb(129,  
124, 47) }
```

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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