

Converting Colors

$Y_{xy}(19.2837, 0.4237, 0.4746)$

Have a look what the booklet for
Yxy(19.2837, 0.4237, 0.4746)
contains.

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Color

Yxy(19.4157, 0.4238, 0.4751)

Conversions

Conversions Part 1

Format	Color
Hex	877B1F
RGB	135, 123, 31
RGB Percent	53%, 48%, 12%
CMY	0.4707, 0.5176, 0.8784
CMYK	0.00, 0.09, 0.77, 0.47
HSL	53°, 63%, 33%
HSV	53°, 77%, 53%
XYZ	17.3192, 19.4157, 4.1316
YIQ	116.1000, 36.6840, -26.0680

Conversions

Conversions Part 2

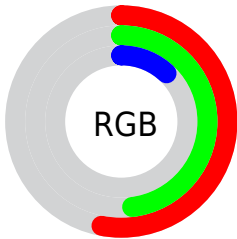
Format	Color
R_{YB}	45, 135, 31
Decimal	8878879
CIE Lab	51.17, -6.06, 48.60
CIE LCh	51, 48.980, 97.108
Yxy	19.4157, 0.4238, 0.4751
Android (android.graphics.Color)	4287068959 (0xFF877B1F)
YUV	116.1000, -41.9543, 16.5753
Hunter-Lab	44.0632, -6.9505, 25.2849

Details

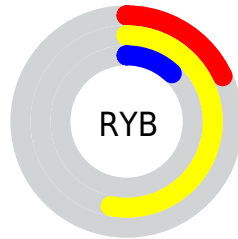
The Yxy color **19.4157, 0.4238, 0.4751** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.7661, 0.1763, 0.1145**, and the grayscale version is **17.6201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3608, 0.4036, 0.4456**, and **6.8260, 0.4337, 0.4938** is the 20% darker color. If you saturate the color by 10%, you get **18.9773, 0.4324, 0.4831**, and if you desaturate by 10%, it is **19.8919, 0.4127, 0.4630**.

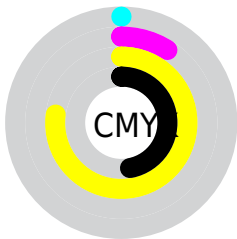
Distribution



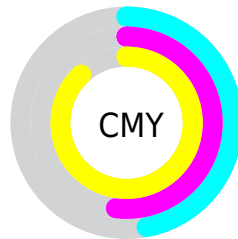
- Red (53%)
- Green (48%)
- Blue (12%)



- Red (18%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (9%)
- Yellow (77%)
- Black (47%)





- Cyan (47%)
- Magenta (52%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4157, 0.4238, 0.4751 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 19.4157, 0.4238, 0.4751 by changing the saturation by 10% instead.


 19.4157, 0.4238,
0.4751


 19.4157, 0.4238,
0.4751


 248.7341, 0.3661,
0.3957


 11.9710, 0.4358,
0.4941


 42.4354, 0.4037,
0.4459


 6.7240, 0.4517,
0.5205


 58.7792, 0.3957,
0.4349

 3.2901, 0.4585,
0.5415

 78.8581, 0.3889,
0.4256

 1.2850, 0.4476,
0.5524

 103.0566, 0.3830,
0.4178

 0.1295, 0.0000,
1.0000

 131.7591, 0.3779,
0.4111

 0.0000, 0.0000,
0.0000

 165.3499, 0.3735,

0.4053

204.2135, 0.3696,
0.4002

19.4157, 0.4238,
0.4751

19.4157, 0.4238,
0.4751

18.9773, 0.4324,
0.4831

19.8919, 0.4127,
0.4630

18.5677, 0.4387,
0.4873

20.4064, 0.3996,
0.4474

18.4481, 0.4405,
0.4884

20.9631, 0.3850,
0.4289

21.5647, 0.3695,
0.4084

22.2133, 0.3536,
0.3869

■ 22.9114, 0.3380,
0.3651

■ 23.6607, 0.3229,
0.3436

■ 24.4634, 0.3086,
0.3230

■ 25.3211, 0.2952,
0.3034

Harmonies

Analogous

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



19.4157, 0.4798, 0.4170



19.4157, 0.4238, 0.4751



19.4157, 0.3432, 0.4987

Triad

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



19.4157, 0.4238, 0.4751



19.4157, 0.1633, 0.2654



19.4157, 0.3505, 0.2388

Complementary

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



19.4157, 0.4238, 0.4751



3.7661, 0.1763, 0.1145

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.



19.4157, 0.2609, 0.2051



19.4157, 0.4238, 0.4751



19.4157, 0.1650, 0.2129

Square

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



19.4157, 0.4238, 0.4751



19.4157, 0.1944, 0.3550



19.4157, 0.1973, 0.1950



19.4157, 0.4400, 0.2906

Rectangle

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



19.4157, 0.4238, 0.4751



19.4157, 0.2861, 0.4767



19.4157, 0.1973, 0.1950



19.4157, 0.3188, 0.2252

Sweetspot

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



19.4166, 0.4238, 0.4751



40.2236, 0.3481, 0.3793



6.3049, 0.5414, 0.3127



9.2248, 0.3531, 0.3862



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.



19.4166, 0.4238, 0.4751



33.4786, 0.4369, 0.4862



19.8598, 0.3598, 0.5238



5.3340, 0.3260, 0.3481



17.0301, 0.4404, 0.4885



0.0654, 0.4290, 0.4976

Inverse Universe

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



3.7661, 0.1763, 0.1145



4.2980, 0.1575, 0.0792



4.0636, 0.2140, 0.1167



4.6246, 0.2992, 0.3092



1.9538, 0.1531, 0.0712



0.0120, 0.1654, 0.1153

Previews

White Background



This preview shows how the Yxy color 19.4157, 0.4238, 0.4751 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 19.4157, 0.4238, 0.4751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

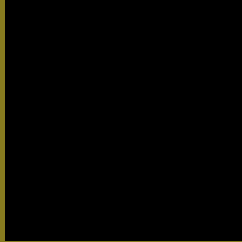
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4157, 0.4238, 0.4751

Background



This preview shows how black text looks on a background with the Yxy color 19.4157, 0.4238, 0.4751.



This preview shows how white text looks on a background with the Yxy color 19.4157, 0.4238, 0.4751.

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

19.4157, 0.4238, 0.4751

Protanopia

19.3364, 0.4278, 0.4720

Deuteranopia

19.3786, 0.4546, 0.4479



Tritanopia

19.4675, 0.3369, 0.3134

Trichromacy



Original Color

19.4157, 0.4238, 0.4751

Protanomaly

19.2522, 0.4264, 0.4729

Deuteranomaly

19.4144, 0.4423, 0.4585

Tritanomaly

19.1840, 0.3754, 0.3796

Monochromacy



Original Color

19.4157, 0.4238, 0.4751

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.0605, 0.3591, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4157, 0.4238, 0.4751 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, 123, 31)` looks like.

```
.text, #text, p{  
    color:rgb(135, 123, 31)  
}
```

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, 123, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 123, 31) }
```

Border

The CSS property to change the border of an element to Yxy 19.4157, 0.4238, 0.4751 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, 123, 31) }
```

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

```
.border{ border-color:rgb(135, 123, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 123, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 123, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 123, 31);  
box-shadow:4px 4px 4px 4px rgb(135, 123,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4157, 0.4238, 0.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 123, 31) }
```

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

```
.background{ background-color: rgb(135,  
123, 31) }
```

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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