

Converting Colors

$Y_{xy}(18.8373, 0.4052, 0.4491)$

Have a look what the booklet for
Yxy(18.8373, 0.4052, 0.4491)
contains.

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Color

Yxy(18.8373, 0.4052, 0.4491)

Conversions

Conversions Part 1

Format	Color
Hex	847935
RGB	132, 121, 53
RGB Percent	52%, 47%, 21%
CMY	0.4824, 0.5255, 0.7921
CMYK	0.00, 0.08, 0.60, 0.48
HSL	52°, 43%, 36%
HSV	52°, 60%, 52%
XYZ	16.9959, 18.8373, 6.1113
YIQ	116.5370, 28.3840, -18.8160

Conversions

Conversions Part 2

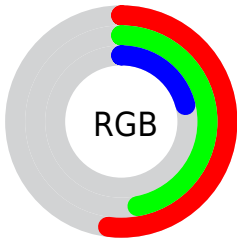
Format	Color
R_{YB}	66, 132, 53
Decimal	8681781
CIE Lab	50.50, -4.93, 38.07
CIE LCh	50, 38.392, 97.380
Yxy	18.8373, 0.4052, 0.4491
Android (android.graphics.Color)	4286871861 (0xFF847935)
YUV	116.5370, -31.3237, 13.5611
Hunter-Lab	43.4020, -6.0539, 22.0329

Details

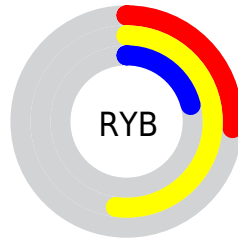
The Yxy color **18.8373, 0.4052, 0.4491** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.0927, 0.2065, 0.1684**, and the grayscale version is **17.7316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4112, 0.3868, 0.4234**, and **6.4749, 0.4325, 0.4911** is the 20% darker color. If you saturate the color by 10%, you get **18.2905, 0.4185, 0.4636**, and if you desaturate by 10%, it is **19.4279, 0.3903, 0.4316**.

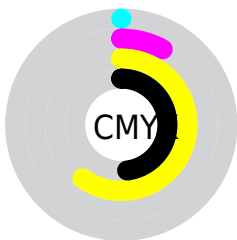
Distribution



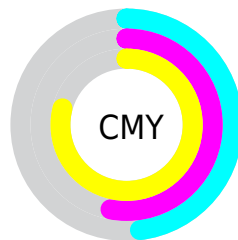
- Red (52%)
- Green (47%)
- Blue (21%)



- Red (26%)
- Yellow (52%)
- Blue (21%)



- Cyan (0%)
- Magenta (8%)
- Yellow (60%)
- Black (48%)




- Cyan (48%)
- Magenta (53%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8373, 0.4052, 0.4491 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 18.8373, 0.4052, 0.4491 by changing the saturation by 10% instead.


 18.8373, 0.4052,
0.4491


 18.8373, 0.4052,
0.4491


 245.5491, 0.3549,
0.3817


 11.5528, 0.4177,
0.4673


 41.4590, 0.3865,
0.4232

 6.4399, 0.4324,
0.4903


 57.5650, 0.3795,
0.4138


 3.1144, 0.4635,
0.5365

 77.3802, 0.3737,
0.4061

 1.1917, 0.4543,
0.5457

 101.2891, 0.3688,
0.3996

 0.0549, 0.0000,
1.0000

 129.6760, 0.3645,
0.3941

 0.0000, 0.0000,
0.0000

 162.9254, 0.3609,

0.3894

201.4216, 0.3577,
0.3853

■ 18.8373, 0.4052,
0.4491

■ 18.8373, 0.4052,
0.4491

■ 18.2905, 0.4185,
0.4636

■ 19.4279, 0.3903,
0.4316

■ 17.7819, 0.4297,
0.4743

■ 20.0621, 0.3745,
0.4121

■ 17.3091, 0.4384,
0.4809

■ 20.7432, 0.3584,
0.3913

■ 16.8622, 0.4452,
0.4845

■ 21.4732, 0.3425,
0.3700

■ 16.8546, 0.4454,
0.4846

■ 22.2543, 0.3271,
0.3490

■ 23.0880, 0.3125,
0.3287

■ 23.9764, 0.2989,
0.3093

■ 24.9209, 0.2863,
0.2912

■ 25.9232, 0.2749,
0.2744

Harmonies

Analogous

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



18.8373, 0.4485, 0.4058



18.8373, 0.4052, 0.4491



18.8373, 0.3400, 0.4614

Triad

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



18.8373, 0.4052, 0.4491



18.8373, 0.1897, 0.2797



18.8373, 0.3445, 0.2555

Complementary

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



18.8373, 0.4052, 0.4491



6.0927, 0.2065, 0.1684

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.



18.8373, 0.2724, 0.2267



18.8373, 0.4052, 0.4491



18.8373, 0.1907, 0.2351

Square

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



18.8373, 0.4052, 0.4491



18.8373, 0.2171, 0.3502



18.8373, 0.2187, 0.2186



18.8373, 0.4142, 0.2998

Rectangle

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



18.8373, 0.4052, 0.4491



18.8373, 0.2933, 0.4419



18.8373, 0.2187, 0.2186



18.8373, 0.3194, 0.2438

Sweetspot

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



18.8382, 0.4052, 0.4491



38.0170, 0.3402, 0.3670



7.8342, 0.4613, 0.3078



8.7722, 0.3442, 0.3724



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.



18.8382, 0.4052, 0.4491



31.8733, 0.4230, 0.4681



19.7238, 0.3592, 0.4837



5.3155, 0.3260, 0.3476



16.3257, 0.4453, 0.4846



0.0641, 0.4312, 0.4958

Inverse Universe

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



6.0927, 0.2065, 0.1684



7.3355, 0.1828, 0.1285



5.9492, 0.2362, 0.1596



4.6415, 0.2992, 0.3097



2.0491, 0.1540, 0.0742



0.0133, 0.1682, 0.1255

Previews

White Background



This preview shows how the Yxy color 18.8373, 0.4052, 0.4491 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 18.8373, 0.4052, 0.4491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

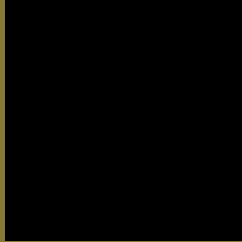
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8373, 0.4052, 0.4491

Background



This preview shows how black text looks on a background with the Yxy color 18.8373, 0.4052, 0.4491.



This preview shows how white text looks on a background with the Yxy color 18.8373, 0.4052, 0.4491.

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

18.8373, 0.4052, 0.4491

Protanopia

18.7583, 0.4090, 0.4463

Deuteranopia

18.7000, 0.4339, 0.4248



Tritanopia

18.8680, 0.3331, 0.3131

Trichromacy



Original Color

18.8373, 0.4052, 0.4491

Protanomaly

18.6765, 0.4076, 0.4470

Deuteranomaly

18.8286, 0.4235, 0.4344

Tritanomaly

18.8387, 0.3616, 0.3639

Monochromacy



Original Color

18.8373, 0.4052, 0.4491

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9026, 0.3471, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8373, 0.4052, 0.4491 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(132, 121, 53)` looks like.

```
.text, #text, p{  
    color:rgb(132, 121, 53)  
}
```

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(132, 121, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 121, 53) }
```

Border

The CSS property to change the border of an element to Yxy 18.8373, 0.4052, 0.4491 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(132, 121, 53) }
```

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

```
.border{ border-color:rgb(132, 121, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 121, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 121, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 121, 53);  
box-shadow:4px 4px 4px 4px rgb(132, 121,  
53) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 18.8373, 0.4052, 0.4491$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 121, 53) }
```

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

```
.background{ background-color: rgb(132,  
121, 53) }
```

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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