

Converting Colors

$Y_{xy}(18.9788, 0.4203, 0.4634)$

Have a look what the booklet for
Yxy(18.9788, 0.4203, 0.4634)
contains.

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Color

Yxy(18.9788, 0.4203, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	877928
RGB	135, 121, 40
RGB Percent	53%, 47%, 16%
CMY	0.4705, 0.5255, 0.8431
CMYK	0.00, 0.10, 0.70, 0.47
HSL	51°, 54%, 34%
HSV	51°, 70%, 53%
XYZ	17.2136, 18.9788, 4.7631
YIQ	115.9520, 34.3450, -22.2230

Conversions

Conversions Part 2

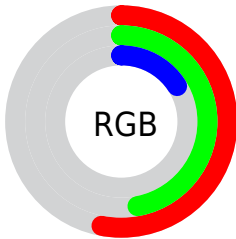
Format	Color
R_{YB}	56, 135, 40
Decimal	8878376
CIE _{Lab}	50.66, -4.45, 44.46
CIE _{LCh}	51, 44.687, 95.715
Yxy	18.9788, 0.4203, 0.4634
Android (android.graphics.Color)	4287068456 (0xFF877928)
YUV	115.9520, -37.4443, 16.7051
Hunter-Lab	43.5647, -5.7078, 24.0128

Details

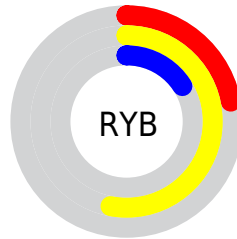
The Yxy color **18.9788, 0.4203, 0.4634** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8403, 0.1881, 0.1386**, and the grayscale version is **17.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7017, 0.4000, 0.4358**, and **6.5589, 0.4382, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **18.4243, 0.4316, 0.4738**, and if you desaturate by 10%, it is **19.5772, 0.4068, 0.4492**.

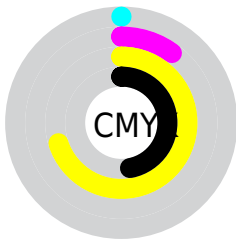
Distribution



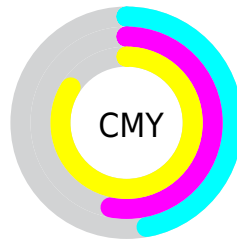
- Red (53%)
- Green (47%)
- Blue (16%)



- Red (22%)
- Yellow (53%)
- Blue (16%)



- Cyan (0%)
- Magenta (10%)
- Yellow (70%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9788, 0.4203, 0.4634 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 18.9788, 0.4203, 0.4634 by changing the saturation by 10% instead.

18.9788, 0.4203,
0.4634

18.9788, 0.4203,
0.4634

246.3317, 0.3631,
0.3896

11.6550, 0.4334,
0.4818

41.6983, 0.3997,
0.4359

6.5092, 0.4491,
0.5053

57.8627, 0.3917,
0.4256

3.1571, 0.4659,
0.5341

77.7428, 0.3850,
0.4171

1.2143, 0.4578,
0.5422

101.7229, 0.3793,
0.4098

0.0733, 0.0000,
1.0000

130.1874, 0.3744,
0.4037

0.0000, 0.0000,
0.0000

163.5208, 0.3701,

0.3983

202.1075, 0.3663,
0.3937

■ 18.9788, 0.4203,
0.4634

■ 18.9788, 0.4203,
0.4634

■ 18.4243, 0.4316,
0.4738

■ 19.5772, 0.4068,
0.4492

■ 17.9074, 0.4404,
0.4800

■ 20.2199, 0.3918,
0.4320

■ 17.4362, 0.4471,
0.4832

■ 20.9105, 0.3758,
0.4126

■ 21.6514, 0.3596,
0.3920

■ 22.4450, 0.3435,
0.3709

■ 23.2933, 0.3279,
0.3500

■ 24.1983, 0.3132,
0.3297

■ 25.1619, 0.2996,
0.3105

■ 26.1858, 0.2870,
0.2925

Harmonies

Analogous

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



18.9788, 0.4696, 0.4102



18.9788, 0.4203, 0.4634



18.9788, 0.3462, 0.4847

Triad

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



18.9788, 0.4203, 0.4634



18.9788, 0.1739, 0.2743



18.9788, 0.3439, 0.2431

Complementary

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



18.9788, 0.4203, 0.4634



4.8403, 0.1881, 0.1386

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.



18.9788, 0.2617, 0.2122



18.9788, 0.4203, 0.4634



18.9788, 0.1738, 0.2230

Square

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



18.9788, 0.4203, 0.4634



18.9788, 0.2054, 0.3579



18.9788, 0.2031, 0.2041



18.9788, 0.4266, 0.2915

Rectangle

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



18.9788, 0.4203, 0.4634



18.9788, 0.2929, 0.4656



18.9788, 0.2031, 0.2041



18.9788, 0.3149, 0.2305

Sweetspot

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



18.9797, 0.4203, 0.4634



40.0257, 0.3452, 0.3732



6.9382, 0.5050, 0.3067



9.1898, 0.3490, 0.3782



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.



18.9797, 0.4203, 0.4634



32.4697, 0.4368, 0.4777



20.2955, 0.3629, 0.5079



5.3091, 0.3260, 0.3474



16.0899, 0.4470, 0.4833



0.0636, 0.4320, 0.4952

Inverse Universe

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



4.8403, 0.1881, 0.1386



5.6587, 0.1666, 0.0997



4.6935, 0.2194, 0.1303



4.6473, 0.2992, 0.3099



2.0850, 0.1543, 0.0754



0.0138, 0.1691, 0.1289

Previews

White Background



This preview shows how the Yxy color 18.9788, 0.4203, 0.4634 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 18.9788, 0.4203, 0.4634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

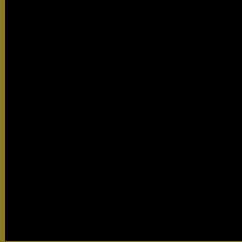
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9788, 0.4203, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 18.9788, 0.4203, 0.4634.



This preview shows how white text looks on a background with the Yxy color 18.9788, 0.4203, 0.4634.

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

18.9788, 0.4203, 0.4634

Protanopia

18.9788, 0.4203, 0.4634

Deuteranopia

19.0079, 0.4474, 0.4404



Tritanopia

18.9662, 0.3399, 0.3133

Trichromacy



Original Color

18.9788, 0.4203, 0.4634

Protanomaly

18.9788, 0.4203, 0.4634

Deuteranomaly

18.9024, 0.4378, 0.4488

Tritanomaly

18.7525, 0.3740, 0.3726

Monochromacy



Original Color

18.9788, 0.4203, 0.4634

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8724, 0.3559, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9788, 0.4203, 0.4634 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, 121, 40)` looks like.

```
.text, #text, p{  
    color:rgb(135, 121, 40)  
}
```

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, 121, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 121, 40) }
```

Border

The CSS property to change the border of an element to Yxy 18.9788, 0.4203, 0.4634 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, 121, 40) }
```

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

```
.border{ border-color:rgb(135, 121, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 121, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 121, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 121, 40);  
box-shadow:4px 4px 4px 4px rgb(135, 121,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9788, 0.4203, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 121, 40) }
```

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

```
.background{ background-color: rgb(135,  
121, 40) }
```

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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