

Converting Colors

$Y_{xy}(19.6313, 0.3813, 0.4664)$

Have a look what the booklet for
Yxy(19.6313, 0.3813, 0.4664)
contains.

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Color

Yxy(19.6978, 0.3816, 0.4660)

Conversions

Conversions Part 1

Format	Color
Hex	788036
RGB	120, 128, 54
RGB Percent	47%, 50%, 21%
CMY	0.5294, 0.4980, 0.7882
CMYK	0.06, 0.00, 0.58, 0.50
HSL	66°, 41%, 36%
HSV	66°, 58%, 50%
XYZ	16.1302, 19.6978, 6.4419
YIQ	117.1720, 18.9860, -24.7100

Conversions

Conversions Part 2

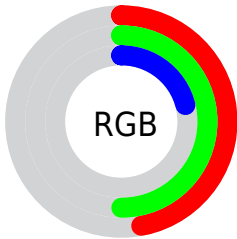
Format	Color
RYB	54, 128, 62
Decimal	7897142
CIELab	51.49, -14.10, 38.44
CIELCh	51, 40.940, 110.142
Yxy	19.6978, 0.3816, 0.4660
Android (android.graphics.Color)	4286087222 (0xFF788036)
YUV	117.1720, -31.1438, 2.4802
Hunter-Lab	44.3822, -12.7950, 22.4618

Details

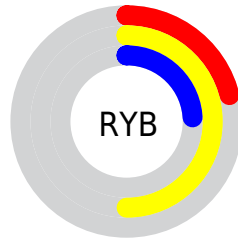
The Yxy color **19.6978, 0.3816, 0.4660** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.2217, 0.2152, 0.1560**, and the grayscale version is **17.9396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0459, 0.3684, 0.4348**, and **6.8616, 0.3978, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **19.4955, 0.3897, 0.4846**, and if you desaturate by 10%, it is **19.9350, 0.3716, 0.4445**.

Distribution



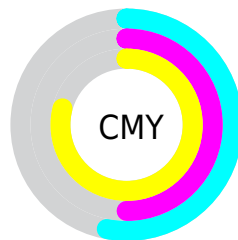
- Red (47%)
- Green (50%)
- Blue (21%)



- Red (21%)
- Yellow (50%)
- Blue (24%)



- Cyan (6%)
- Magenta (0%)
- Yellow (58%)
- Black (50%)




- Cyan (53%)
- Magenta (50%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6978, 0.3816, 0.4660 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 19.6978, 0.3816, 0.4660 by changing the saturation by 10% instead.


 19.6978, 0.3816,
0.4660


 19.6978, 0.3816,
0.4660


 250.2744, 0.3457,
0.3874


 12.1756, 0.3895,
0.4885


 42.9099, 0.3689,
0.4351

 6.8634, 0.3976,
0.5181


 59.3686, 0.3639,
0.4241


 3.3768, 0.4196,
0.5804

 79.5749, 0.3597,
0.4152

 1.3315, 0.3939,
0.6061

 103.9132, 0.3561,
0.4077

 0.1654, 0.0000,
1.0000

 132.7680, 0.3530,
0.4015

 0.0000, 0.0000,
0.0000

 166.5235, 0.3502,

0.3961

205.5641, 0.3479,
0.3914

■ 19.6978, 0.3816,
0.4660

■ 19.6978, 0.3816,
0.4660

■ 19.4955, 0.3897,
0.4846

■ 19.9350, 0.3716,
0.4445

■ 19.3228, 0.3957,
0.4997

■ 20.2067, 0.3602,
0.4210

■ 19.1778, 0.3992,
0.5107

■ 20.5158, 0.3479,
0.3965

■ 19.0536, 0.4007,
0.5182

■ 20.8643, 0.3352,
0.3717

■ 19.0271, 0.4010,
0.5198

■ 21.2539, 0.3225,
0.3474

■ 21.6862, 0.3100,
0.3240

■ 22.1629, 0.2981,
0.3020

■ 22.6854, 0.2869,
0.2814

■ 23.2551, 0.2765,
0.2625

Harmonies

Analogous

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



19.6978, 0.4392, 0.4302



19.6978, 0.3816, 0.4660



19.6978, 0.3094, 0.4586

Triad

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



19.6978, 0.3816, 0.4660



19.6978, 0.1814, 0.2534



19.6978, 0.3791, 0.2702

Complementary

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



19.6978, 0.3816, 0.4660



5.2217, 0.2152, 0.1560

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.



19.6978, 0.3009, 0.2327



19.6978, 0.3816, 0.4660



19.6978, 0.1945, 0.2202

Square

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



19.6978, 0.3816, 0.4660



19.6978, 0.1969, 0.3169



19.6978, 0.2351, 0.2146



19.6978, 0.4423, 0.3207

Rectangle

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



19.6978, 0.3816, 0.4660



19.6978, 0.2626, 0.4230



19.6978, 0.2351, 0.2146



19.6978, 0.3532, 0.2559

Sweetspot

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



19.6987, 0.3816, 0.4660



36.7591, 0.3347, 0.3706



8.2366, 0.4695, 0.3434



8.5816, 0.3367, 0.3747



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.



19.6987, 0.3816, 0.4660



34.2324, 0.3916, 0.4892



17.5726, 0.3351, 0.4905



4.9966, 0.3241, 0.3504



18.8654, 0.4010, 0.5198



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2217, 0.2152, 0.1560



6.2273, 0.1917, 0.1175



6.8164, 0.2688, 0.1779



4.2323, 0.3008, 0.3069



1.6372, 0.1553, 0.0629



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.6978, 0.3816, 0.4660 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 19.6978, 0.3816, 0.4660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

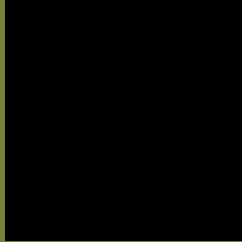
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6978, 0.3816, 0.4660

Background



This preview shows how black text looks on a background with the Yxy color 19.6978, 0.3816, 0.4660.



This preview shows how white text looks on a background with the Yxy color 19.6978, 0.3816, 0.4660.

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

19.6978, 0.3816, 0.4660

Protanopia

19.6481, 0.4095, 0.4506

Deuteranopia

19.5973, 0.4312, 0.4254



Tritanopia

19.6338, 0.3111, 0.3109

Trichromacy



Original Color

19.6978, 0.3816, 0.4660

Protanomaly

19.6701, 0.3986, 0.4563

Deuteranomaly

19.5357, 0.4132, 0.4395

Tritanomaly

19.4852, 0.3397, 0.3690

Monochromacy



Original Color

19.6978, 0.3816, 0.4660

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.3344, 0.3407, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6978, 0.3816, 0.4660 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(120, 128, 54)` looks like.

```
.text, #text, p{  
    color:rgb(120, 128, 54)  
}
```

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(120, 128, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 128, 54) }
```

Border

The CSS property to change the border of an element to Yxy 19.6978, 0.3816, 0.4660 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(120, 128, 54) }
```

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

```
.border{ border-color:rgb(120, 128, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 128, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 128, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 128, 54);  
box-shadow:4px 4px 4px 4px rgb(120, 128,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6978, 0.3816, 0.4660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 128, 54) }
```

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

```
.background{ background-color: rgb(120,  
128, 54) }
```

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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