

Converting Colors

$Y_{xy}(19.6075, 0.3811, 0.5234)$

Have a look what the booklet for
Yxy(19.6075, 0.3811, 0.5234)
contains.

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Color

Yxy(19.6072, 0.3816, 0.5233)

Conversions

Conversions Part 1

Format	Color
Hex	6A8411
RGB	106, 132, 17
RGB Percent	42%, 52%, 7%
CMY	0.5843, 0.4824, 0.9331
CMYK	0.20, 0.00, 0.87, 0.48
HSL	74°, 77%, 29%
HSV	74°, 87%, 52%
XYZ	14.2979, 19.6072, 3.5632
YIQ	111.1160, 21.4190, -41.2770

Conversions

Conversions Part 2

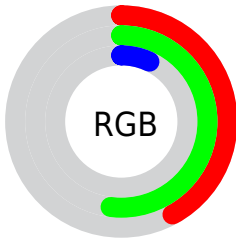
Format	Color
RYB	17, 132, 43
Decimal	6980625
CIELab	51.39, -24.56, 52.22
CIELCh	51, 57.704, 115.186
Yxy	19.6072, 0.3816, 0.5233
Android (android.graphics.Color)	4285170705 (0xFF6A8411)
YUV	111.1160, -46.3992, -4.4867
Hunter-Lab	44.2800, -19.8527, 26.2249

Details

The Yxy color **19.6072, 0.3816, 0.5233** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.5829, 0.1788, 0.0861**, and the grayscale version is **16.0675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6659, 0.3729, 0.4809**, and **6.8189, 0.3650, 0.5484** is the 20% darker color. If you saturate the color by 10%, you get **19.3962, 0.3811, 0.5330**, and if you desaturate by 10%, it is **19.8485, 0.3799, 0.5097**.

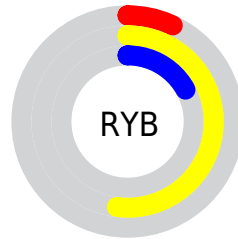
Distribution



Red (42%)

Green (52%)

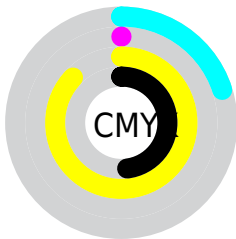
Blue (7%)



Red (7%)

Yellow (52%)

Blue (17%)

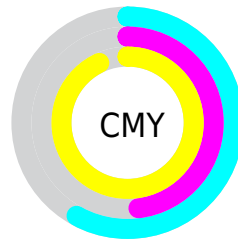


Cyan (20%)

Magenta (0%)

Yellow (87%)

Black (48%)



Cyan (58%)

Magenta (48%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6072, 0.3816, 0.5233 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 19.6072, 0.3816, 0.5233 by changing the saturation by 10% instead.


 19.6072, 0.3816,
0.5233


 19.6072, 0.3816,
0.5233


249.7807, 0.3510,
0.4125

 12.1098, 0.3839,
0.5527


 42.7576, 0.3732,
0.4807

 6.8185, 0.3883,
0.6000


 59.1795, 0.3690,
0.4652

 3.3489, 0.3666,
0.6334

 79.3450, 0.3652,
0.4525

 1.3165, 0.3127,
0.6873

 103.6385, 0.3617,
0.4418


 0.1539, 0.0000,
1.0000

 132.4444, 0.3586,
0.4327

 0.0000, 0.0000,
0.0000

 166.1472, 0.3558,


0.4250


 205.1311, 0.3532,
0.4183


 19.6072, 0.3816,
0.5233


 19.6072, 0.3816,
0.5233

 19.3962, 0.3811,
0.5330


 19.8485, 0.3799,
0.5097

 19.3365, 0.3809,
0.5357

 20.1237, 0.3759,
0.4920

 20.4369, 0.3697,
0.4708

 20.7908, 0.3616,
0.4471

 21.1880, 0.3522,
0.4218

■ 21.6306, 0.3419,
0.3960

■ 22.1208, 0.3311,
0.3704

■ 22.6606, 0.3203,
0.3457

■ 23.2518, 0.3096,
0.3223

Harmonies

Analogous

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



19.6072, 0.4669, 0.4675



19.6072, 0.3816, 0.5233



19.6072, 0.2846, 0.5108

Triad

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



19.6072, 0.3816, 0.5233



19.6072, 0.1409, 0.2128



19.6072, 0.4228, 0.2588

Complementary

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



19.6072, 0.3816, 0.5233



2.5829, 0.1788, 0.0861

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.



19.6072, 0.3117, 0.2084



19.6072, 0.3816, 0.5233



19.6072, 0.1631, 0.1805

Square

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



19.6072, 0.3816, 0.5233



19.6072, 0.1516, 0.2890



19.6072, 0.2193, 0.1809



19.6072, 0.5043, 0.3231

Rectangle

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



19.6072, 0.3816, 0.5233



19.6072, 0.2252, 0.4493



19.6072, 0.2193, 0.1809



19.6072, 0.3862, 0.2399

Sweetspot

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



19.6081, 0.3816, 0.5233



38.1438, 0.3413, 0.3947



6.5991, 0.5707, 0.3606



8.8251, 0.3444, 0.4023



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.



19.6081, 0.3816, 0.5233



33.9931, 0.3801, 0.5364



17.2116, 0.3194, 0.5698



5.3714, 0.3225, 0.3507



18.7251, 0.3810, 0.5357



0.0681, 0.4003, 0.5204

Inverse Universe

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



2.5829, 0.1788, 0.0861



3.3586, 0.1626, 0.0669



4.7455, 0.2616, 0.1298



4.5916, 0.3024, 0.3068



1.8801, 0.1643, 0.0679



0.0093, 0.2029, 0.0892

Previews

White Background



This preview shows how the Yxy color 19.6072, 0.3816, 0.5233 looks on a white background.

Color Contrast Check

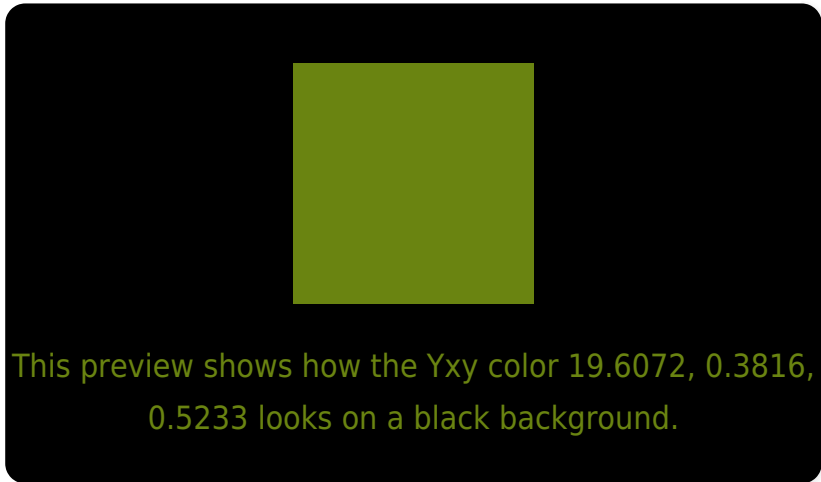
Large Text (above 18pt) WCAG AA ✓ Pass

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

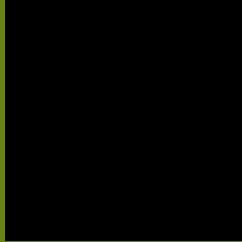
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6072, 0.3816, 0.5233

Background



This preview shows how black text looks on a background with the Yxy color 19.6072, 0.3816, 0.5233.



This preview shows how white text looks on a background with the Yxy color 19.6072, 0.3816, 0.5233.

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

19.6072, 0.3816, 0.5233

Protanopia

19.6009, 0.4355, 0.4838

Deuteranopia

19.4446, 0.4597, 0.4518



Tritanopia

19.6413, 0.2947, 0.3103

Trichromacy



Original Color

19.6072, 0.3816, 0.5233

Protanomaly

19.3918, 0.4153, 0.4987

Deuteranomaly

19.3034, 0.4315, 0.4776

Tritanomaly

19.1878, 0.3360, 0.3989

Monochromacy



Original Color

19.6072, 0.3816, 0.5233

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.9807, 0.3493, 0.4165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6072, 0.3816, 0.5233 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(106, 132, 17)` looks like.

```
.text, #text, p{  
    color:rgb(106, 132, 17)  
}
```

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(106, 132, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 132, 17) }
```

Border

The CSS property to change the border of an element to Yxy 19.6072, 0.3816, 0.5233 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(106, 132, 17) }
```

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

```
.border{ border-color:rgb(106, 132, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 132, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 132, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 132, 17);  
box-shadow:4px 4px 4px 4px rgb(106, 132,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6072, 0.3816, 0.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 132, 17) }
```

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

```
.background{ background-color: rgb(106,  
132, 17) }
```

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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