

Converting Colors

$Y_{xy}(18.6075, 0.3872, 0.4550)$

Have a look what the booklet for
Yxy(18.6075, 0.3872, 0.4550)
contains.

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Color

Yxy(18.5890, 0.3868, 0.4544)

Conversions

Conversions Part 1

Format	Color
Hex	7A7B38
RGB	122, 123, 56
RGB Percent	48%, 48%, 22%
CMY	0.5215, 0.5176, 0.7804
CMYK	0.01, 0.00, 0.54, 0.52
HSL	61°, 37%, 35%
HSV	61°, 54%, 48%
XYZ	15.8236, 18.5890, 6.4963
YIQ	115.0630, 20.9110, -21.0490

Conversions

Conversions Part 2

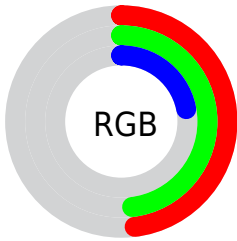
Format	Color
RYB	56, 123, 57
Decimal	8026936
CIELab	50.20, -10.30, 35.99
CIELCh	50, 37.437, 105.967
Yxy	18.5890, 0.3868, 0.4544
Android (android.graphics.Color)	4286217016 (0xFF7A7B38)
YUV	115.0630, -29.1181, 6.0837
Hunter-Lab	43.1150, -9.9402, 21.2470

Details

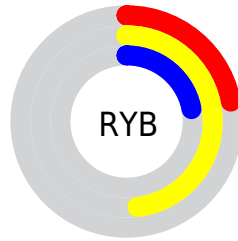
The Yxy color **18.5890, 0.3868, 0.4544** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.1293, 0.2141, 0.1645**, and the grayscale version is **17.2507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9100, 0.3725, 0.4258**, and **6.2503, 0.4083, 0.5024** is the 20% darker color. If you saturate the color by 10%, you get **18.4706, 0.3972, 0.4723**, and if you desaturate by 10%, it is **18.7387, 0.3747, 0.4337**.

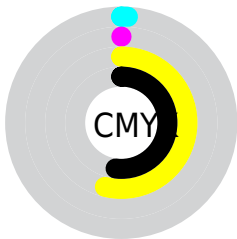
Distribution



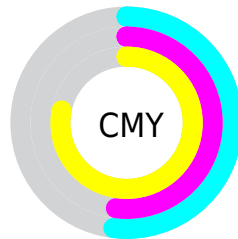
- Red (48%)
- Green (48%)
- Blue (22%)



- Red (22%)
- Yellow (48%)
- Blue (22%)



- Cyan (1%)
- Magenta (0%)
- Yellow (54%)
- Black (52%)




- Cyan (52%)
- Magenta (52%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5890, 0.3868, 0.4544 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 18.5890, 0.3868, 0.4544 by changing the saturation by 10% instead.


 18.5890, 0.3868,
0.4544


 18.5890, 0.3868,
0.4544


244.1703, 0.3470,
0.3823

 11.3737, 0.3964,
0.4751


 41.0384, 0.3721,
0.4260


 6.3188, 0.4073,
0.5025


 57.0414, 0.3666,
0.4160

 3.0399, 0.4364,
0.5636

 76.7422, 0.3620,
0.4078

 1.1526, 0.4163,
0.5837

 100.5255, 0.3581,
0.4009

 0.0225, 0.0000,
1.0000

 128.7756, 0.3547,
0.3952

 0.0000, 0.0000,
0.0000

 161.8768, 0.3518,

0.3903

200.2136, 0.3492,
0.3860

■ 18.5890, 0.3868,
0.4544

■ 18.5890, 0.3868,
0.4544

■ 18.4706, 0.3972,
0.4723

■ 18.7387, 0.3747,
0.4337

■ 18.3787, 0.4055,
0.4868

■ 18.9192, 0.3613,
0.4110

■ 18.3117, 0.4115,
0.4973

■ 19.1331, 0.3472,
0.3872

■ 18.2660, 0.4151,
0.5041

■ 19.3821, 0.3330,
0.3631

■ 18.2437, 0.4168,
0.5072

■ 19.6677, 0.3189,
0.3393

■ 19.9914, 0.3053,
0.3165

■ 20.3546, 0.2924,
0.2948

■ 20.7586, 0.2803,
0.2746

■ 21.2047, 0.2691,
0.2560

Harmonies

Analogous

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



18.5890, 0.4370, 0.4186



18.5890, 0.3868, 0.4544



18.5890, 0.3199, 0.4531

Triad

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



18.5890, 0.3868, 0.4544



18.5890, 0.1893, 0.2654



18.5890, 0.3649, 0.2680

Complementary

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



18.5890, 0.3868, 0.4544



5.1293, 0.2141, 0.1645

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.



18.5890, 0.2923, 0.2346



18.5890, 0.3868, 0.4544



18.5890, 0.1980, 0.2295

Square

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



18.5890, 0.3868, 0.4544



18.5890, 0.2083, 0.3284



18.5890, 0.2331, 0.2205



18.5890, 0.4272, 0.3147

Rectangle

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



18.5890, 0.3868, 0.4544



18.5890, 0.2751, 0.4244



18.5890, 0.2331, 0.2205



18.5890, 0.3404, 0.2551

Sweetspot

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



18.5899, 0.3868, 0.4544



34.6166, 0.3357, 0.3677



7.3259, 0.4631, 0.3294



8.1346, 0.3381, 0.3717



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5899, 0.3868, 0.4544



33.0363, 0.3992, 0.4757



16.6008, 0.3430, 0.4759



4.6310, 0.3253, 0.3502



18.8724, 0.4168, 0.5072



89.9881, 0.4167, 0.5073

Inverse Universe

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



5.1293, 0.2141, 0.1645



6.3043, 0.1907, 0.1257



6.4082, 0.2612, 0.1828



3.8961, 0.2996, 0.3069



1.4914, 0.1507, 0.0604



7.0811, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 18.5890, 0.3868, 0.4544 looks on a white background.

Color Contrast Check

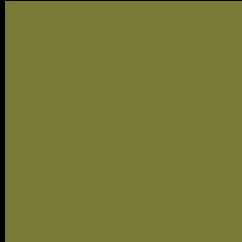
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5890, 0.3868, 0.4544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

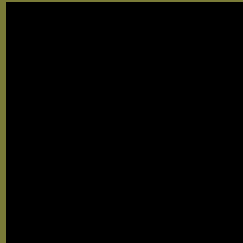
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5890, 0.3868, 0.4544

Background



This preview shows how black text looks on a background with the Yxy color 18.5890, 0.3868, 0.4544.



This preview shows how white text looks on a background with the Yxy color 18.5890, 0.3868, 0.4544.

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

18.5890, 0.3868, 0.4544

Protanopia

18.6143, 0.4043, 0.4448

Deuteranopia

18.5432, 0.4281, 0.4219



Tritanopia

18.6386, 0.3186, 0.3125

Trichromacy



Original Color

18.5890, 0.3868, 0.4544

Protanomaly

18.5398, 0.3978, 0.4489

Deuteranomaly

18.4213, 0.4136, 0.4334

Tritanomaly

18.5494, 0.3447, 0.3654

Monochromacy



Original Color

18.5890, 0.3868, 0.4544

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6166, 0.3417, 0.3769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5890, 0.3868, 0.4544 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(122, 123, 56)` looks like.

```
.text, #text, p{  
    color:rgb(122, 123, 56)  
}
```

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(122, 123, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 123, 56) }
```

Border

The CSS property to change the border of an element to Yxy 18.5890, 0.3868, 0.4544 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(122, 123, 56) }
```

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

```
.border{ border-color:rgb(122, 123, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 123, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 123, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 123, 56);  
box-shadow:4px 4px 4px 4px rgb(122, 123,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5890, 0.3868, 0.4544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 123, 56) }
```

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

```
.background{ background-color: rgb(122,  
123, 56) }
```

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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