

Converting Colors

$Y_{xy}(11.7444, 0.3865, 0.4199)$

Have a look what the booklet for
Yxy(11.7444, 0.3865, 0.4199)
contains.

Yxy(11.7154, 0.3873, 0.4186)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.7154, 0.3873, 0.4186)

Conversions

Conversions Part 1

Format	Color
Hex	6A6038
RGB	106, 96, 56
RGB Percent	42%, 38%, 22%
CMY	0.5844, 0.6235, 0.7804
CMYK	0.00, 0.09, 0.47, 0.58
HSL	48°, 31%, 32%
HSV	48°, 47%, 42%
XYZ	10.8394, 11.7154, 5.4323
YIQ	94.4300, 18.8000, -10.3200

Conversions

Conversions Part 2

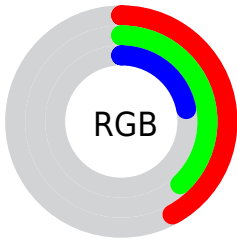
Format	Color
R _Y B	69, 106, 56
Decimal	6971448
CIE Lab	40.76, -2.19, 24.24
CIE LCh	41, 24.334, 95.153
Yxy	11.7154, 0.3873, 0.4186
Android (android.graphics.Color)	4285161528 (0xFF6A6038)
YUV	94.4300, -18.9460, 10.1469
Hunter-Lab	34.2278, -3.3704, 14.5495

Details

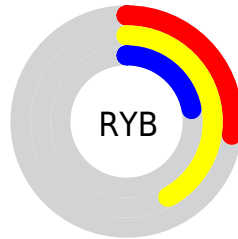
The Yxy color **11.7154, 0.3873, 0.4186** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7762, 0.2343, 0.2190**, and the grayscale version is **11.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8263, 0.3685, 0.3952**, and **3.1776, 0.4207, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **11.2420, 0.4037, 0.4357**, and if you desaturate by 10%, it is **12.2223, 0.3706, 0.4000**.

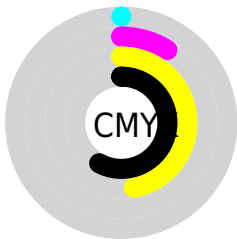
Distribution



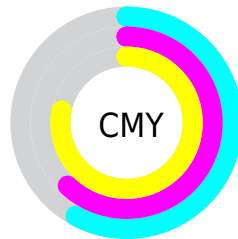
- Red (42%)
- Green (38%)
- Blue (22%)



- Red (27%)
- Yellow (42%)
- Blue (22%)



- Cyan (0%)
- Magenta (9%)
- Yellow (47%)
- Black (58%)





- Cyan (58%)
- Magenta (62%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7154, 0.3873, 0.4186 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 11.7154, 0.3873, 0.4186 by changing the saturation by 10% instead.


 11.7154, 0.3873,
0.4186


 11.7154, 0.3873,
0.4186

 202.5120, 0.3426,
0.3642


 6.5502, 0.4013,
0.4362


 28.9757, 0.3690,
0.3960


 3.1824, 0.4210,
0.4618

 41.8396, 0.3627,
0.3884


 1.2277, 0.4730,
0.5270

 58.0385, 0.3577,
0.3823

 0.0842, 0.2404,
0.7596

 77.9568, 0.3536,
0.3774

 0.0000, 0.0000,
0.0000

 101.9789, 0.3502,
0.3732

 130.4892, 0.3473,

0.3698

163.8721, 0.3448,
0.3668

■ 11.7154, 0.3873,
0.4186

■ 11.7154, 0.3873,
0.4186

■ 11.2420, 0.4037,
0.4357

■ 12.2223, 0.3706,
0.4000

■ 10.7989, 0.4191,
0.4503

■ 12.7624, 0.3540,
0.3806

■ 10.3850, 0.4330,
0.4618

■ 13.3374, 0.3380,
0.3612

■ 9.9986, 0.4446,
0.4694

■ 13.9486, 0.3229,
0.3422

■ 9.6343, 0.4544,
0.4738

■ 14.5971, 0.3088,
0.3239

■ 9.5327, 0.4573,
0.4751

■ 15.2839, 0.2958,
0.3066

■ 16.0100, 0.2839,
0.2905

■ 16.7763, 0.2732,
0.2755

■ 17.5839, 0.2634,
0.2617

Harmonies

Analogous

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



11.7154, 0.4165, 0.3876



11.7154, 0.3873, 0.4186



11.7154, 0.3393, 0.4261

Triad

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



11.7154, 0.3873, 0.4186



11.7154, 0.2191, 0.2973



11.7154, 0.3330, 0.2704

Complementary

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



11.7154, 0.3873, 0.4186



5.7762, 0.2343, 0.2190

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.



11.7154, 0.2794, 0.2487



11.7154, 0.3873, 0.4186



11.7154, 0.2177, 0.2604

Square

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



11.7154, 0.3873, 0.4186



11.7154, 0.2432, 0.3498



11.7154, 0.2386, 0.2445



11.7154, 0.3848, 0.3049

Rectangle

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



11.7154, 0.3873, 0.4186



11.7154, 0.3037, 0.4126



11.7154, 0.2386, 0.2445



11.7154, 0.3145, 0.2615

Sweetspot

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



11.7159, 0.3873, 0.4186



23.7048, 0.3337, 0.3559



6.2858, 0.4058, 0.3058



5.5132, 0.3362, 0.3590



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.7159, 0.3873, 0.4186



19.6218, 0.4060, 0.4379



12.8145, 0.3550, 0.4469



3.4860, 0.3256, 0.3456



11.7868, 0.4578, 0.4747



58.8217, 0.4604, 0.4726

Inverse Universe

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



5.7762, 0.2343, 0.2190



7.7788, 0.2135, 0.1868



5.2091, 0.2533, 0.1995



3.1141, 0.2997, 0.3119



1.9210, 0.1570, 0.0851



8.7667, 0.1548, 0.0774

Previews

White Background



This preview shows how the Yxy color 11.7154, 0.3873, 0.4186 looks on a white 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

Black Background



This preview shows how the Yxy color 11.7154, 0.3873, 0.4186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

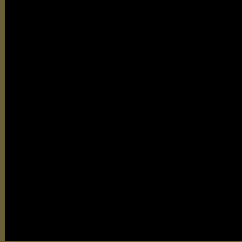
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7154, 0.3873, 0.4186

Background



This preview shows how black text looks on a background with the Yxy color 11.7154, 0.3873, 0.4186.



This preview shows how white text looks on a background with the Yxy color 11.7154, 0.3873, 0.4186.

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

11.7154, 0.3873, 0.4186

Protanopia

11.6545, 0.3857, 0.4192

Deuteranopia

11.7316, 0.4084, 0.4026



Tritanopia

11.6790, 0.3326, 0.3138

Trichromacy



Original Color

11.7154, 0.3873, 0.4186

Protanomaly

11.6545, 0.3857, 0.4192

Deuteranomaly

11.6348, 0.4007, 0.4067

Tritanomaly

11.7044, 0.3537, 0.3514

Monochromacy



Original Color

11.7154, 0.3873, 0.4186

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3603, 0.3394, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7154, 0.3873, 0.4186 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, 96, 56)` looks like.

```
.text, #text, p{  
    color:rgb(106, 96, 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(106, 96, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 96, 56) }
```

Border

The CSS property to change the border of an element to Yxy 11.7154, 0.3873, 0.4186 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, 96, 56) }
```

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

```
.border{ border-color:rgb(106, 96, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 96, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 96, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 96, 56);  
box-shadow:4px 4px 4px 4px rgb(106, 96,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7154, 0.3873, 0.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 96, 56) }
```

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

```
.background{ background-color: rgb(106, 96,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor