

Converting Colors

$Y_{xy}(13.5069, 0.3898, 0.4539)$

Have a look what the booklet for
Yxy(13.5069, 0.3898, 0.4539)
contains.

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Color

Yxy(13.5775, 0.3885, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	6A6A2F
RGB	106, 106, 47
RGB Percent	42%, 42%, 18%
CMY	0.5843, 0.5843, 0.8157
CMYK	0.00, 0.00, 0.56, 0.58
HSL	60°, 39%, 30%
HSV	60°, 56%, 42%
XYZ	11.6110, 13.5775, 4.6982
YIQ	99.2740, 18.9390, -18.3490

Conversions

Conversions Part 2

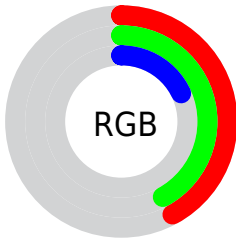
Format	Color
R_{YB}	47, 106, 47
Decimal	6973999
CIE _{Lab}	43.62, -8.89, 32.65
CIE _{LCh}	44, 33.836, 105.240
Yxy	13.5775, 0.3885, 0.4543
Android (android.graphics.Color)	4285164079 (0xFF6A6A2F)
YUV	99.2740, -25.7711, 5.8987
Hunter-Lab	36.8477, -8.2368, 18.2337

Details

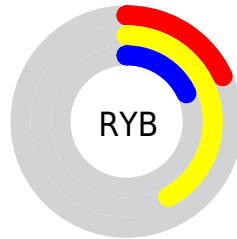
The Yxy color **13.5775, 0.3885, 0.4543** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.6784, 0.2123, 0.1630**, and the grayscale version is **12.6133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3111, 0.3725, 0.4235**, and **3.9978, 0.4142, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **13.5027, 0.3990, 0.4716**, and if you desaturate by 10%, it is **13.6744, 0.3764, 0.4342**.

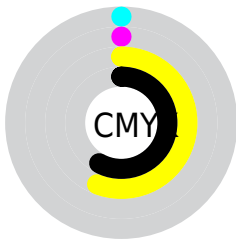
Distribution



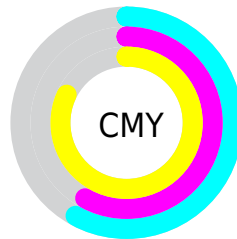
- Red (42%)
- Green (42%)
- Blue (18%)



- Red (18%)
- Yellow (42%)
- Blue (18%)



- Cyan (0%)
- Magenta (0%)
- Yellow (56%)
- Black (58%)





- Cyan (58%)
- Magenta (58%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5775, 0.3885, 0.4543 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 13.5775, 0.3885, 0.4543 by changing the saturation by 10% instead.


 13.5775, 0.3885,
0.4543


 13.5775, 0.3885,
0.4543


 214.5864, 0.3457,
0.3792


 7.8274, 0.3995,
0.4775

 32.3375, 0.3721,
0.4236


 3.9847, 0.4149,
0.5125

 46.1161, 0.3662,
0.4131


 1.6650, 0.4335,
0.5665

 63.3397, 0.3612,
0.4047

 0.4008, 0.2902,
0.7098

 84.3928, 0.3571,
0.3977

 0.0000, 0.0000,
0.0000

 109.6595, 0.3536,
0.3919

 139.5244, 0.3506,

0.3870

174.3719, 0.3480,
0.3828

■ 13.5775, 0.3885,
0.4543

■ 13.5775, 0.3885,
0.4543

■ 13.5027, 0.3990,
0.4716

■ 13.6744, 0.3764,
0.4342

■ 13.4465, 0.4074,
0.4855

■ 13.7928, 0.3630,
0.4122

■ 13.4078, 0.4135,
0.4956

■ 13.9347, 0.3490,
0.3889

■ 13.3828, 0.4176,
0.5025

■ 14.1011, 0.3347,
0.3653

■ 13.3727, 0.4193,
0.5053

■ 14.2933, 0.3205,
0.3419

■ 14.5121, 0.3069,
0.3193

■ 14.7587, 0.2939,
0.2978

■ 15.0338, 0.2817,
0.2777

■ 15.3385, 0.2704,
0.2590

Harmonies

Analogous

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



13.5775, 0.4383, 0.4177



13.5775, 0.3885, 0.4543



13.5775, 0.3216, 0.4542

Triad

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



13.5775, 0.3885, 0.4543



13.5775, 0.1891, 0.2663



13.5775, 0.3633, 0.2668

Complementary

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



13.5775, 0.3885, 0.4543



3.6784, 0.2123, 0.1630

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.



13.5775, 0.2905, 0.2338



13.5775, 0.3885, 0.4543



13.5775, 0.1971, 0.2297

Square

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



13.5775, 0.3885, 0.4543



13.5775, 0.2088, 0.3302



13.5775, 0.2317, 0.2201



13.5775, 0.4265, 0.3134

Rectangle

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



13.5775, 0.3885, 0.4543



13.5775, 0.2765, 0.4262



13.5775, 0.2317, 0.2201



13.5775, 0.3387, 0.2539

Sweetspot

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



13.5781, 0.3885, 0.4543



24.6901, 0.3373, 0.3696



5.3029, 0.4643, 0.3295



5.7741, 0.3392, 0.3728



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.



13.5781, 0.3885, 0.4543



23.6610, 0.4019, 0.4764



12.0712, 0.3431, 0.4767



3.5835, 0.3252, 0.3496



16.5948, 0.4193, 0.5053



84.5574, 0.4193, 0.5053

Inverse Universe

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



3.6784, 0.2123, 0.1630



4.3050, 0.1874, 0.1218



4.6311, 0.2609, 0.1820



3.0252, 0.2997, 0.3075



1.2915, 0.1500, 0.0600



6.5805, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 13.5775, 0.3885, 0.4543 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 13.5775, 0.3885, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

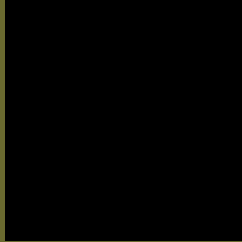
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5775, 0.3885, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 13.5775, 0.3885, 0.4543.



This preview shows how white text looks on a background with the Yxy color 13.5775, 0.3885, 0.4543.

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

13.5775, 0.3885, 0.4543

Protanopia

13.4752, 0.4054, 0.4448

Deuteranopia

13.4691, 0.4283, 0.4219



Tritanopia

13.6206, 0.3207, 0.3144

Trichromacy



Original Color

13.5775, 0.3885, 0.4543

Protanomaly

13.4774, 0.3996, 0.4488

Deuteranomaly

13.4427, 0.4133, 0.4343

Tritanomaly

13.4736, 0.3483, 0.3660

Monochromacy



Original Color

13.5775, 0.3885, 0.4543

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.9067, 0.3430, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5775, 0.3885, 0.4543 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, 106, 47)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 47)  
}
```

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, 106, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 47) }
```

Border

The CSS property to change the border of an element to Yxy 13.5775, 0.3885, 0.4543 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, 106, 47) }
```

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

```
.border{ border-color:rgb(106, 106, 47) }
```

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

Here you see how a box with a 4 pixel rgb(106, 106, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 47);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5775, 0.3885, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 47) }
```

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

```
.background{ background-color: rgb(106,  
106, 47) }
```

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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