

Converting Colors

$Y_{xy}(13.4588, 0.3843, 0.4572)$

Have a look what the booklet for
Yxy(13.4588, 0.3843, 0.4572)
contains.

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Color

Yxy(13.3969, 0.3838, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	676A2F
RGB	103, 106, 47
RGB Percent	40%, 42%, 18%
CMY	0.5961, 0.5843, 0.8156
CMYK	0.03, 0.00, 0.56, 0.58
HSL	63°, 39%, 30%
HSV	63°, 56%, 42%
XYZ	11.2609, 13.3969, 4.6828
YIQ	98.3770, 17.1510, -18.9850

Conversions

Conversions Part 2

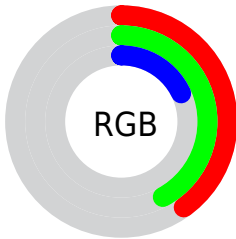
Format	Color
R_{YB}	47, 106, 50
Decimal	6777391
CIE _{Lab}	43.36, -10.27, 32.26
CIE _{LCh}	43, 33.859, 107.653
Yxy	13.3969, 0.3838, 0.4566
Android (android.graphics.Color)	4284967471 (0xFF676A2F)
YUV	98.3770, -25.3289, 4.0544
Hunter-Lab	36.6018, -9.1358, 18.0358

Details

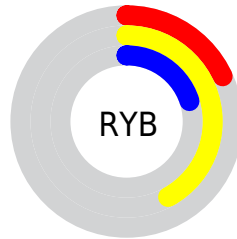
The Yxy color **13.3969, 0.3838, 0.4566** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.7531, 0.2165, 0.1647**, and the grayscale version is **12.3749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0081, 0.3692, 0.4246**, and **3.9122, 0.4065, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **13.2903, 0.3934, 0.4748**, and if you desaturate by 10%, it is **13.5257, 0.3725, 0.4357**.

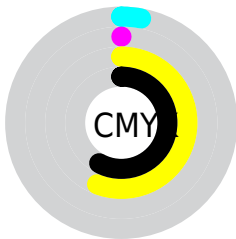
Distribution



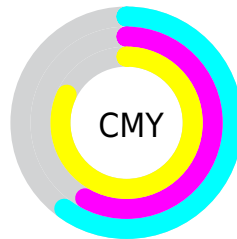
- Red (40%)
- Green (42%)
- Blue (18%)



- Red (18%)
- Yellow (42%)
- Blue (20%)



- Cyan (3%)
- Magenta (0%)
- Yellow (56%)
- Black (58%)




- Cyan (60%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3969, 0.3838, 0.4566 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 13.3969, 0.3838, 0.4566 by changing the saturation by 10% instead.


 13.3969, 0.3838,
0.4566


 13.3969, 0.3838,
0.4566


 213.4459, 0.3438,
0.3796


 7.7024, 0.3939,
0.4808


 32.0150, 0.3686,
0.4249


 3.9051, 0.4081,
0.5178

 45.7074, 0.3630,
0.4142


 1.6206, 0.4244,
0.5756

 62.8346, 0.3584,
0.4055

 0.3715, 0.2161,
0.7839

 83.7810, 0.3545,
0.3984

 0.0000, 0.0000,
0.0000

 108.9309, 0.3512,
0.3925

 138.6688, 0.3484,

0.3876

173.3790, 0.3459,
0.3833

■ 13.3969, 0.3838,
0.4566

■ 13.3969, 0.3838,
0.4566

■ 13.2903, 0.3934,
0.4748

■ 13.5257, 0.3725,
0.4357

■ 13.2025, 0.4010,
0.4898

■ 13.6763, 0.3600,
0.4130

■ 13.1325, 0.4063,
0.5009

■ 13.8506, 0.3469,
0.3893

■ 13.0763, 0.4096,
0.5087

■ 14.0496, 0.3334,
0.3654

■ 13.0527, 0.4109,
0.5119

■ 14.2746, 0.3201,
0.3419

■ 14.5265, 0.3072,
0.3193

■ 14.8062, 0.2948,
0.2979

■ 15.1148, 0.2833,
0.2779

■ 15.4531, 0.2725,
0.2594

Harmonies

Analogous

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



13.3969, 0.4359, 0.4218



13.3969, 0.3838, 0.4566



13.3969, 0.3160, 0.4527

Triad

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



13.3969, 0.3838, 0.4566



13.3969, 0.1882, 0.2620



13.3969, 0.3694, 0.2699

Complementary

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



13.3969, 0.3838, 0.4566



3.7531, 0.2165, 0.1647

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.



13.3969, 0.2960, 0.2354



13.3969, 0.3838, 0.4566



13.3969, 0.1984, 0.2276

Square

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



13.3969, 0.3838, 0.4566



13.3969, 0.2056, 0.3242



13.3969, 0.2352, 0.2199



13.3969, 0.4309, 0.3174

Rectangle

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



13.3969, 0.3838, 0.4566



13.3969, 0.2711, 0.4220



13.3969, 0.2352, 0.2199



13.3969, 0.3448, 0.2566

Sweetspot

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



13.3975, 0.3838, 0.4566



24.5895, 0.3359, 0.3698



5.5476, 0.4603, 0.3361



5.7487, 0.3377, 0.3730



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.



13.3975, 0.3838, 0.4566



23.2709, 0.3961, 0.4800



11.9522, 0.3388, 0.4788



3.5761, 0.3245, 0.3497



16.1937, 0.4108, 0.5120



82.3973, 0.4103, 0.5124

Inverse Universe

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



3.7531, 0.2165, 0.1647



4.4185, 0.1918, 0.1238



4.7566, 0.2664, 0.1842



3.0318, 0.3004, 0.3076



1.3299, 0.1527, 0.0615



6.6619, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 13.3969, 0.3838, 0.4566 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 13.3969, 0.3838, 0.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

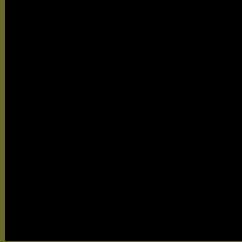
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3969, 0.3838, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 13.3969, 0.3838, 0.4566.



This preview shows how white text looks on a background with the Yxy color 13.3969, 0.3838, 0.4566.

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

13.3969, 0.3838, 0.4566

Protanopia

13.4752, 0.4054, 0.4448

Deuteranopia

13.2068, 0.4280, 0.4208



Tritanopia

13.4271, 0.3163, 0.3142

Trichromacy



Original Color

13.3969, 0.3838, 0.4566

Protanomaly

13.4129, 0.3980, 0.4496

Deuteranomaly

13.1793, 0.4130, 0.4333

Tritanomaly

13.2844, 0.3437, 0.3666

Monochromacy



Original Color

13.3969, 0.3838, 0.4566

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5812, 0.3417, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3969, 0.3838, 0.4566 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(103, 106, 47)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 106, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 106, 47) }
```

Border

The CSS property to change the border of an element to Yxy 13.3969, 0.3838, 0.4566 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(103, 106, 47) }
```

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

```
.border{ border-color:rgb(103, 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(103, 106, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 106, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 106, 47);  
box-shadow:4px 4px 4px 4px rgb(103, 106,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3969, 0.3838, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 106, 47) }
```

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

```
.background{ background-color: rgb(103,  
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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