

Converting Colors

$Y_{xy}(13.8854, 0.3937, 0.4595)$

Have a look what the booklet for
Yxy(13.8854, 0.3937, 0.4595)
contains.

Yxy(13.8854, 0.3937, 0.4595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8854, 0.3937, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	6C6B2C
RGB	108, 107, 44
RGB Percent	42%, 42%, 17%
CMY	0.5765, 0.5804, 0.8274
CMYK	0.00, 0.01, 0.59, 0.58
HSL	59°, 42%, 30%
HSV	59°, 59%, 42%
XYZ	11.8970, 13.8854, 4.4361
YIQ	100.1170, 20.8190, -19.3810

Conversions

Conversions Part 2

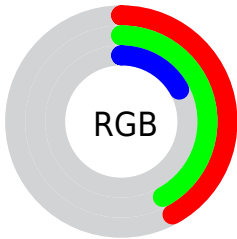
Format	Color
R_{YB}	45, 108, 44
Decimal	7105324
CIE Lab	44.07, -8.80, 34.75
CIE LCh	44, 35.844, 104.214
Yxy	13.8854, 0.3937, 0.4595
Android (android.graphics.Color)	4285295404 (0xFF6C6B2C)
YUV	100.1170, -27.6657, 6.9134
Hunter-Lab	37.2631, -8.2206, 19.0259

Details

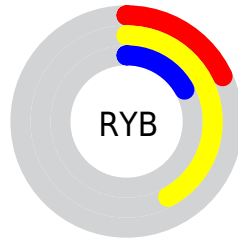
The Yxy color **13.8854, 0.3937, 0.4595** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.4954, 0.2055, 0.1533**, and the grayscale version is **12.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8035, 0.3767, 0.4283**, and **4.1313, 0.4143, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **13.7799, 0.4038, 0.4755**, and if you desaturate by 10%, it is **14.0134, 0.3818, 0.4405**.

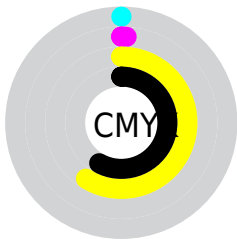
Distribution



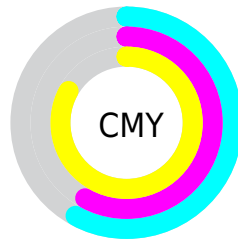
- Red (42%)
- Green (42%)
- Blue (17%)



- Red (18%)
- Yellow (42%)
- Blue (17%)



- Cyan (0%)
- Magenta (1%)
- Yellow (59%)
- Black (58%)




- Cyan (58%)
- Magenta (58%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8854, 0.3937, 0.4595 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 13.8854, 0.3937, 0.4595 by changing the saturation by 10% instead.


 13.8854, 0.3937,
0.4595


 13.8854, 0.3937,
0.4595


 216.5167, 0.3483,
0.3819


 8.0410, 0.4050,
0.4828


 32.8855, 0.3766,
0.4281


 4.1212, 0.4216,
0.5190

 46.8101, 0.3702,
0.4173


 1.7416, 0.4349,
0.5651

 64.1968, 0.3650,
0.4085

 0.4504, 0.3213,
0.6787

 85.4301, 0.3606,
0.4013

 0.0000, 0.0000,
0.0000

 110.8943, 0.3568,
0.3952

 140.9739, 0.3536,

0.3901

176.0532, 0.3508,
0.3857

■ 13.8854, 0.3937,
0.4595

■ 13.8854, 0.3937,
0.4595

■ 13.7799, 0.4038,
0.4755

■ 14.0134, 0.3818,
0.4405

■ 13.6933, 0.4118,
0.4879

■ 14.1635, 0.3685,
0.4192

■ 13.6243, 0.4174,
0.4965

■ 14.3377, 0.3544,
0.3966

■ 13.5655, 0.4216,
0.5027

■ 14.5372, 0.3400,
0.3732

■ 13.5611, 0.4219,
0.5032

■ 14.7632, 0.3256,
0.3500

■ 15.0168, 0.3117,
0.3274

■ 15.2991, 0.2984,
0.3057

■ 15.6110, 0.2859,
0.2854

■ 15.9534, 0.2743,
0.2665

Harmonies

Analogous

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



13.8854, 0.4453, 0.4193



13.8854, 0.3937, 0.4595



13.8854, 0.3239, 0.4621

Triad

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



13.8854, 0.3937, 0.4595



13.8854, 0.1839, 0.2647



13.8854, 0.3631, 0.2625

Complementary

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



13.8854, 0.3937, 0.4595



3.4954, 0.2055, 0.1533

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.



13.8854, 0.2868, 0.2288



13.8854, 0.3937, 0.4595



13.8854, 0.1914, 0.2259

Square

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



13.8854, 0.3937, 0.4595



13.8854, 0.2051, 0.3325



13.8854, 0.2262, 0.2153



13.8854, 0.4306, 0.3105

Rectangle

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



13.8854, 0.3937, 0.4595



13.8854, 0.2766, 0.4339



13.8854, 0.2262, 0.2153



13.8854, 0.3371, 0.2493

Sweetspot

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



13.8860, 0.3937, 0.4595



25.5489, 0.3389, 0.3714



5.1799, 0.4776, 0.3272



6.1634, 0.3422, 0.3768



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.8860, 0.3937, 0.4595



24.1311, 0.4070, 0.4805



12.4884, 0.3457, 0.4860



3.5758, 0.3252, 0.3493



16.1704, 0.4220, 0.5032



82.2688, 0.4221, 0.5030

Inverse Universe

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



3.4954, 0.2055, 0.1533



4.0379, 0.1809, 0.1126



4.3777, 0.2544, 0.1712



3.0320, 0.2997, 0.3079



1.3313, 0.1505, 0.0617



6.6635, 0.1502, 0.0607

Previews

White Background



This preview shows how the Yxy color 13.8854, 0.3937, 0.4595 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 13.8854, 0.3937, 0.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

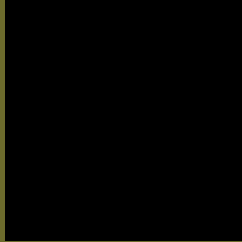
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8854, 0.3937, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 13.8854, 0.3937, 0.4595.



This preview shows how white text looks on a background with the Yxy color 13.8854, 0.3937, 0.4595.

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

13.8854, 0.3937, 0.4595

Protanopia

13.7881, 0.4106, 0.4497

Deuteranopia

13.7881, 0.4336, 0.4268



Tritanopia

13.7745, 0.3223, 0.3125

Trichromacy



Original Color

13.8854, 0.3937, 0.4595

Protanomaly

13.7883, 0.4047, 0.4538

Deuteranomaly

13.7572, 0.4187, 0.4393

Tritanomaly

13.8011, 0.3509, 0.3677

Monochromacy



Original Color

13.8854, 0.3937, 0.4595

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1632, 0.3441, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8854, 0.3937, 0.4595 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(108, 107, 44)` looks like.

```
.text, #text, p{  
    color:rgb(108, 107, 44)  
}
```

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(108, 107, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 107, 44) }
```

Border

The CSS property to change the border of an element to Yxy 13.8854, 0.3937, 0.4595 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(108, 107, 44) }
```

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

```
.border{ border-color:rgb(108, 107, 44) }
```

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

Here you see how a box with a 4 pixel rgb(108, 107, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 107, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 107, 44);  
box-shadow:4px 4px 4px 4px rgb(108, 107,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8854, 0.3937, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 107, 44) }
```

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

```
.background{ background-color: rgb(108,  
107, 44) }
```

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