

Converting Colors

$Y_{xy}(13.7817, 0.3306, 0.3990)$

Have a look what the booklet for
Yxy(13.7817, 0.3306, 0.3990)
contains.

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Color

Yxy(13.8670, 0.3311, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	5E6D4E
RGB	94, 109, 78
RGB Percent	37%, 43%, 31%
CMY	0.6315, 0.5725, 0.6941
CMYK	0.14, 0.00, 0.28, 0.57
HSL	89°, 17%, 37%
HSV	89°, 28%, 43%
XYZ	11.4584, 13.8670, 9.2816
YIQ	100.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

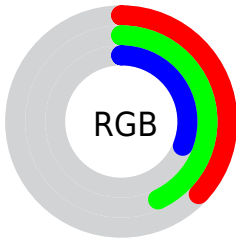
Format	Color
RYB	78, 109, 93
Decimal	6188366
CIELab	44.04, -11.80, 15.50
CIELCh	44, 19.480, 127.281
Yxy	13.8670, 0.3311, 0.4007
Android (android.graphics.Color)	4284378446 (0xFF5E6D4E)
YUV	100.9810, -11.3296, -6.1223
Hunter-Lab	37.2384, -10.2423, 11.2890

Details

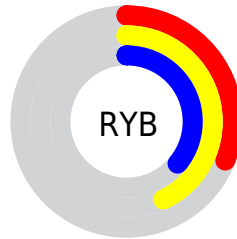
The Yxy color **13.8670, 0.3311, 0.4007** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.8832, 0.2896, 0.2572**, and the grayscale version is **13.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0418, 0.3275, 0.3830**, and **4.0516, 0.3378, 0.4393** is the 20% darker color. If you saturate the color by 10%, you get **13.4541, 0.3369, 0.4285**, and if you desaturate by 10%, it is **14.3261, 0.3248, 0.3740**.

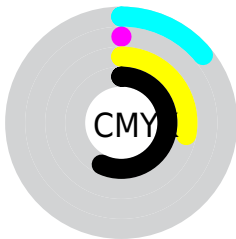
Distribution



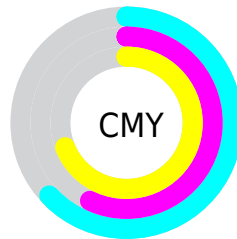
- Red (37%)
- Green (43%)
- Blue (31%)



- Red (31%)
- Yellow (43%)
- Blue (36%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)





- Cyan (63%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8670, 0.3311, 0.4007 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 13.8670, 0.3311, 0.4007 by changing the saturation by 10% instead.


 13.8670, 0.3311,
0.4007


 13.8670, 0.3311,
0.4007


216.4019, 0.3208,
0.3566

 8.0282, 0.3340,
0.4160


 32.8529, 0.3271,
0.3820


 4.1130, 0.3376,
0.4393

 46.7687, 0.3256,
0.3759


 1.7370, 0.3457,
0.4845

 64.1457, 0.3245,
0.3710

 0.4474, 0.2347,
0.7653

 85.3683, 0.3235,
0.3670

 0.0000, 0.0000,
0.0000

 110.8208, 0.3226,
0.3638

140.8876, 0.3219,

0.3610

175.9532, 0.3213,
0.3587

■ 13.8670, 0.3311,
0.4007

■ 13.8670, 0.3311,
0.4007

■ 13.4541, 0.3369,
0.4285

■ 14.3261, 0.3248,
0.3740

■ 13.0841, 0.3417,
0.4566

■ 14.8313, 0.3183,
0.3488

■ 12.7557, 0.3454,
0.4840

■ 15.3845, 0.3117,
0.3255

■ 12.4669, 0.3474,
0.5095

■ 15.9872, 0.3053,
0.3042

■ 12.2158, 0.3475,
0.5318

■ 16.6408, 0.2991,
0.2849

■ 11.9998, 0.3456,
0.5497

■ 17.3465, 0.2932,
0.2674

■ 11.8120, 0.3424,
0.5644

■ 18.1055, 0.2877,
0.2518

■ 11.7842, 0.3419,
0.5667

■ 18.9191, 0.2825,
0.2378

■ 19.7884, 0.2777,
0.2253

Harmonies

Analogous

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



13.8670, 0.3680, 0.3985



13.8670, 0.3311, 0.4007



13.8670, 0.2908, 0.3796

Triad

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



13.8670, 0.3311, 0.4007



13.8670, 0.2397, 0.2755



13.8670, 0.3695, 0.3132

Complementary

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



13.8670, 0.3311, 0.4007



8.8832, 0.2896, 0.2572

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.



13.8670, 0.3315, 0.2852



13.8670, 0.3311, 0.4007



13.8670, 0.2575, 0.2633

Square

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



13.8670, 0.3311, 0.4007



13.8670, 0.2397, 0.3035



13.8670, 0.2904, 0.2673



13.8670, 0.3917, 0.3461

Rectangle

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



13.8670, 0.3311, 0.4007



13.8670, 0.2674, 0.3557



13.8670, 0.2904, 0.2673



13.8670, 0.3580, 0.3031

Sweetspot

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



13.8676, 0.3311, 0.4007



26.4773, 0.3188, 0.3508



11.6290, 0.3616, 0.3626



6.1369, 0.3195, 0.3535



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.



13.8676, 0.3311, 0.4007



24.3380, 0.3349, 0.4187



13.1310, 0.3098, 0.4056



3.5143, 0.3186, 0.3500



13.7667, 0.3414, 0.5672



69.6283, 0.3375, 0.5702

Inverse Universe

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



8.8832, 0.2896, 0.2572



13.8633, 0.2830, 0.2391



9.7731, 0.3150, 0.2624



3.0904, 0.3064, 0.3080



2.1574, 0.2033, 0.0894



10.4799, 0.1977, 0.0863

Previews

White Background



This preview shows how the Yxy color 13.8670, 0.3311, 0.4007 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 13.8670, 0.3311, 0.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

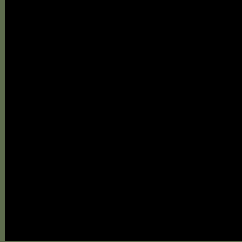
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8670, 0.3311, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 13.8670, 0.3311, 0.4007.



This preview shows how white text looks on a background with the Yxy color 13.8670, 0.3311, 0.4007.

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

13.8670, 0.3311, 0.4007

Protanopia

13.8672, 0.3630, 0.3891

Deuteranopia

13.8311, 0.3753, 0.3700



Tritanopia

13.9481, 0.2945, 0.3117

Trichromacy



Original Color

13.8670, 0.3311, 0.4007

Protanomaly

13.8471, 0.3499, 0.3933

Deuteranomaly

13.7098, 0.3594, 0.3807

Tritanomaly

13.7696, 0.3079, 0.3424

Monochromacy



Original Color

13.8670, 0.3311, 0.4007

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.2876, 0.3187, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8670, 0.3311, 0.4007 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(94, 109, 78) looks like.

```
.text, #text, p{  
    color:rgb(94, 109, 78)  
}
```

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(94, 109, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 109, 78) }
```

Border

The CSS property to change the border of an element to Yxy 13.8670, 0.3311, 0.4007 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(94, 109, 78) }
```

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

```
.border{ border-color:rgb(94, 109, 78) }
```

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

Here you see how a box with a 4 pixel rgb(94, 109, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 109, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 109, 78);  
box-shadow:4px 4px 4px 4px rgb(94, 109,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8670, 0.3311, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 109, 78) }
```

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

```
.background{ background-color: rgb(94, 109,  
78) }
```

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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