

Converting Colors

$Y_{xy}(13.5796, 0.4506, 0.4307)$

Have a look what the booklet for
Yxy(13.5796, 0.4506, 0.4307)
contains.

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Color

Yxy(13.6759, 0.4511, 0.4315)

Conversions

Conversions Part 1

Format	Color
Hex	856126
RGB	133, 97, 38
RGB Percent	52%, 38%, 15%
CMY	0.4784, 0.6196, 0.8509
CMYK	0.00, 0.27, 0.71, 0.48
HSL	37°, 56%, 34%
HSV	37°, 71%, 52%
XYZ	14.2971, 13.6759, 3.7209
YIQ	101.0380, 40.3950, -10.7170

Conversions

Conversions Part 2

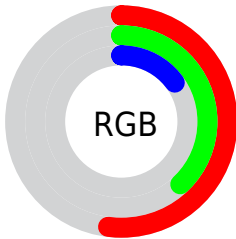
Format	Color
R_{YB}	96, 133, 38
Decimal	8741158
CIE _{Lab}	43.76, 8.31, 38.14
CIE _{LCh}	44, 39.035, 77.712
Yxy	13.6759, 0.4511, 0.4315
Android (android.graphics.Color)	4286931238 (0xFF856126)
YUV	101.0380, -31.0777, 28.0307
Hunter-Lab	36.9809, 4.2927, 19.9212

Details

The Yxy color **13.6759, 0.4511, 0.4315** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0037, 0.1988, 0.1861**, and the grayscale version is **13.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3581, 0.4202, 0.4108**, and **4.0731, 0.4928, 0.4469** is the 20% darker color. If you saturate the color by 10%, you get **12.7035, 0.4712, 0.4379**, and if you desaturate by 10%, it is **14.7395, 0.4296, 0.4212**.

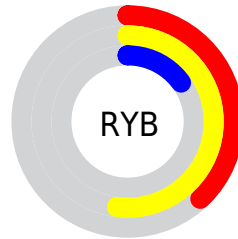
Distribution



Red (52%)

Green (38%)

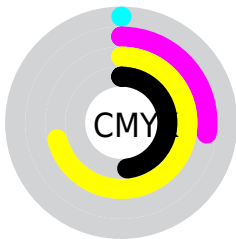
Blue (15%)



Red (38%)

Yellow (52%)

Blue (15%)

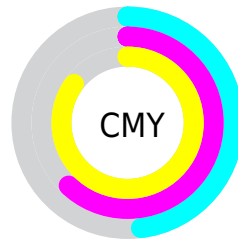


Cyan (0%)

Magenta (27%)

Yellow (71%)

Black (48%)



Cyan (48%)


Magenta (62%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6759, 0.4511, 0.4315 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 13.6759, 0.4511, 0.4315 by changing the saturation by 10% instead.


 13.6759, 0.4511,
0.4315


 13.6759, 0.4511,
0.4315


215.2052, 0.3711,
0.3757


 7.8956, 0.4730,
0.4441


 32.5128, 0.4198,
0.4112

 4.0282, 0.5108,
0.4663

 46.3383, 0.4086,
0.4034


 1.6894, 0.5343,
0.4657

 63.6142, 0.3995,
0.3968

 0.4168, 0.5897,
0.4103

 84.7250, 0.3918,
0.3913

 0.0000, 0.0000,
0.0000

 110.0551, 0.3854,
0.3865

 139.9889, 0.3799,

0.3824

174.9108, 0.3752,
0.3788

13.6759, 0.4511,
0.4315

13.6759, 0.4511,
0.4315

12.7035, 0.4712,
0.4379

14.7395, 0.4296,
0.4212

11.8158, 0.4889,
0.4397

15.8963, 0.4077,
0.4081

11.1119, 0.5030,
0.4388

17.1506, 0.3864,
0.3932

18.5057, 0.3661,
0.3775

19.9649, 0.3473,
0.3615

■ 21.5310, 0.3302,
0.3460

■ 23.2067, 0.3148,
0.3310

■ 24.9949, 0.3009,
0.3170

■ 26.8981, 0.2886,
0.3039

Harmonies

Analogous

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



13.6759, 0.4750, 0.3734



13.6759, 0.4511, 0.4315



13.6759, 0.3911, 0.4741

Triad

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



13.6759, 0.4511, 0.4315



13.6759, 0.1917, 0.3220



13.6759, 0.2932, 0.2243

Complementary

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



13.6759, 0.4511, 0.4315



7.0037, 0.1988, 0.1861

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.



13.6759, 0.2252, 0.2069



13.6759, 0.4511, 0.4315



13.6759, 0.1733, 0.2517

Square

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



13.6759, 0.4511, 0.4315



13.6759, 0.2415, 0.4109



13.6759, 0.1848, 0.2145



13.6759, 0.3773, 0.2623

Rectangle

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



13.6759, 0.4511, 0.4315



13.6759, 0.3407, 0.4799



13.6759, 0.1848, 0.2145



13.6759, 0.2678, 0.2160

Sweetspot

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



13.6766, 0.4511, 0.4315



35.7395, 0.3475, 0.3616



6.8734, 0.4510, 0.2669



7.9120, 0.3517, 0.3653



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



13.6766, 0.4511, 0.4315



21.6950, 0.4831, 0.4397



21.0452, 0.3913, 0.4916



5.1344, 0.3265, 0.3425



10.6008, 0.5027, 0.4390



0.0508, 0.4582, 0.4743

Inverse Universe

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



7.0037, 0.1988, 0.1861



9.0826, 0.1789, 0.1492



3.7357, 0.1906, 0.1149



4.8124, 0.2992, 0.3152



3.8330, 0.1682, 0.1253



0.0266, 0.1910, 0.2074

Previews

White Background



This preview shows how the Yxy color 13.6759, 0.4511, 0.4315 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 13.6759, 0.4511, 0.4315 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 13.6759, 0.4511, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 13.6759, 0.4511, 0.4315.



This preview shows how white text looks on a background with the Yxy color 13.6759, 0.4511, 0.4315.

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

13.6759, 0.4511, 0.4315

Protanopia

13.7668, 0.4136, 0.4543

Deuteranopia

13.8094, 0.4438, 0.4372



Tritanopia

13.6824, 0.3757, 0.3161

Trichromacy



Original Color

13.6759, 0.4511, 0.4315

Protanomaly

13.5914, 0.4278, 0.4457

Deuteranomaly

13.7006, 0.4467, 0.4347

Tritanomaly

13.5847, 0.4088, 0.3612

Monochromacy



Original Color

13.6759, 0.4511, 0.4315

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1751, 0.3641, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6759, 0.4511, 0.4315 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(133, 97, 38)` looks like.

```
.text, #text, p{  
    color:rgb(133, 97, 38)  
}
```

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(133, 97, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.6759, 0.4511, 0.4315 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(133, 97, 38) }
```

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

```
.border{ border-color:rgb(133, 97, 38) }
```

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

Here you see how a box with a 4 pixel rgb(133, 97, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 38);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6759, 0.4511, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 38) }
```

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

```
.background{ background-color: rgb(133, 97,  
38) }
```

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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