

Converting Colors

$Y_{xy}(13.5011, 0.4611, 0.4383)$

Have a look what the booklet for
Yxy(13.5011, 0.4611, 0.4383)
contains.

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Color

Yxy(13.5278, 0.4616, 0.4383)

Conversions

Conversions Part 1

Format	Color
Hex	86601E
RGB	134, 96, 30
RGB Percent	53%, 38%, 12%
CMY	0.4746, 0.6235, 0.8823
CMYK	0.00, 0.28, 0.78, 0.47
HSL	38°, 63%, 32%
HSV	38°, 78%, 53%
XYZ	14.2469, 13.5278, 3.0895
YIQ	99.8380, 43.8340, -12.4700

Conversions

Conversions Part 2

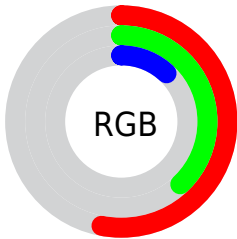
Format	Color
RYB	90, 134, 30
Decimal	8806430
CIELab	43.55, 8.93, 41.67
CIELCh	44, 42.614, 77.904
Yxy	13.5278, 0.4616, 0.4383
Android (android.graphics.Color)	4286996510 (0xFF86601E)
YUV	99.8380, -34.4301, 29.9601
Hunter-Lab	36.7802, 4.7774, 20.7658

Details

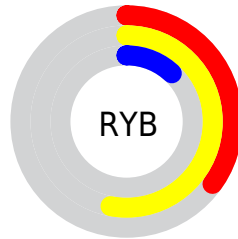
The Yxy color **13.5278, 0.4616, 0.4383** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.1300, 0.1897, 0.1684**, and the grayscale version is **12.7822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1986, 0.4295, 0.4169**, and **4.0305, 0.4980, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **12.6085, 0.4797, 0.4422**, and if you desaturate by 10%, it is **14.5332, 0.4414, 0.4300**.

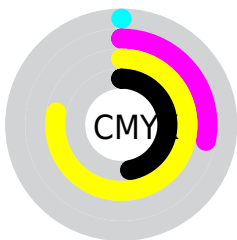
Distribution



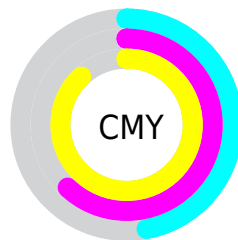
- Red (53%)
- Green (38%)
- Blue (12%)



- Red (35%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (28%)
- Yellow (78%)
- Black (47%)





- Cyan (47%)
- Magenta (62%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5278, 0.4616, 0.4383 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 13.5278, 0.4616, 0.4383 by changing the saturation by 10% instead.


 13.5278, 0.4616,
0.4383


 13.5278, 0.4616,
0.4383


214.2731, 0.3763,
0.3799


 7.7930, 0.4839,
0.4502


 32.2488, 0.4288,
0.4177


 3.9628, 0.5256,
0.4744

 46.0038, 0.4169,
0.4095


 1.6528, 0.5380,
0.4620

 63.2009, 0.4071,
0.4026

 0.3928, 0.6009,
0.3991

 84.2246, 0.3988,
0.3967

 0.0000, 0.0000,
0.0000

 109.4593, 0.3919,
0.3916

 139.2894, 0.3859,

0.3872

174.0992, 0.3808,
0.3833

13.5278, 0.4616,
0.4383

13.5278, 0.4616,
0.4383

12.6085, 0.4797,
0.4422

14.5332, 0.4414,
0.4300

11.7653, 0.4955,
0.4419

15.6270, 0.4201,
0.4183

11.5714, 0.4993,
0.4417

16.8135, 0.3988,
0.4041

18.0963, 0.3781,
0.3885

19.4785, 0.3586,
0.3723

■ 20.9633, 0.3405,
0.3561

■ 22.5533, 0.3241,
0.3404

■ 24.2514, 0.3093,
0.3255

■ 26.0600, 0.2961,
0.3115

Harmonies

Analogous

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



13.5278, 0.4894, 0.3752



13.5278, 0.4616, 0.4383



13.5278, 0.3956, 0.4870

Triad

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



13.5278, 0.4616, 0.4383



13.5278, 0.1814, 0.3196



13.5278, 0.2915, 0.2164

Complementary

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



13.5278, 0.4616, 0.4383



6.1300, 0.1897, 0.1684

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.



13.5278, 0.2181, 0.1977



13.5278, 0.4616, 0.4383



13.5278, 0.1626, 0.2437

Square

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



13.5278, 0.4616, 0.4383



13.5278, 0.2340, 0.4189



13.5278, 0.1751, 0.2049



13.5278, 0.3836, 0.2570

Rectangle

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



13.5278, 0.4616, 0.4383



13.5278, 0.3408, 0.4952



13.5278, 0.1751, 0.2049



13.5278, 0.2639, 0.2075

Sweetspot

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



13.5285, 0.4616, 0.4383



35.3768, 0.3510, 0.3656



6.4154, 0.4748, 0.2686



7.7894, 0.3567, 0.3707



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.



13.5285, 0.4616, 0.4383



21.1048, 0.4913, 0.4419



21.1411, 0.3924, 0.5022



5.1446, 0.3265, 0.3428



10.8678, 0.4991, 0.4419



0.0516, 0.4564, 0.4758

Inverse Universe

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



6.1300, 0.1897, 0.1684



7.6230, 0.1714, 0.1308



3.1830, 0.1822, 0.1000



4.8025, 0.2992, 0.3149



3.6862, 0.1671, 0.1215



0.0258, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 13.5278, 0.4616, 0.4383 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 13.5278, 0.4616, 0.4383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

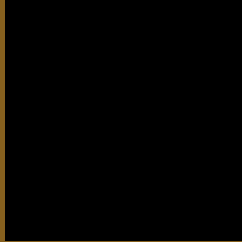
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5278, 0.4616, 0.4383

Background



This preview shows how black text looks on a background with the Yxy color 13.5278, 0.4616, 0.4383.



This preview shows how white text looks on a background with the Yxy color 13.5278, 0.4616, 0.4383.

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

13.5278, 0.4616, 0.4383

Protanopia

13.5178, 0.4223, 0.4636

Deuteranopia

13.5699, 0.4535, 0.4461



Tritanopia

13.5601, 0.3811, 0.3180

Trichromacy



Original Color

13.5278, 0.4616, 0.4383

Protanomaly

13.4242, 0.4383, 0.4535

Deuteranomaly

13.4634, 0.4565, 0.4436

Tritanomaly

13.4405, 0.4176, 0.3665

Monochromacy



Original Color

13.5278, 0.4616, 0.4383

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8764, 0.3675, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5278, 0.4616, 0.4383 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(134, 96, 30)` looks like.

```
.text, #text, p{  
    color:rgb(134, 96, 30)  
}
```

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(134, 96, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 96, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.5278, 0.4616, 0.4383 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(134, 96, 30) }
```

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

```
.border{ border-color:rgb(134, 96, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 96, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 96, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 96, 30);  
box-shadow:4px 4px 4px 4px rgb(134, 96,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5278, 0.4616, 0.4383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 96, 30) }
```

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

```
.background{ background-color: rgb(134, 96,  
30) }
```

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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