

Converting Colors

$Y_{xy}(15.4356, 0.2597, 0.1794)$

Have a look what the booklet for
Yxy(15.4356, 0.2597, 0.1794)
contains.

Yxy(15.4350, 0.2597, 0.1794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.4350, 0.2597, 0.1794)

Conversions

Conversions Part 1

Format	Color
Hex	8856BA
RGB	136, 86, 186
RGB Percent	53%, 34%, 73%
CMY	0.4667, 0.6627, 0.2706
CMYK	0.27, 0.54, 0.00, 0.27
HSL	270°, 42%, 53%
HSV	270°, 54%, 73%
XYZ	22.3438, 15.4350, 48.2580
YIQ	112.3500, -2.3000, 41.7000

Conversions

Conversions Part 2

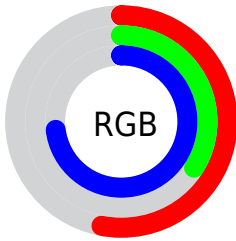
Format	Color
R _Y B	136, 86, 186
Decimal	8935098
CIE Lab	46.22, 40.38, -45.20
CIE LCh	46, 60.611, 311.772
Yxy	15.4350, 0.2597, 0.1794
Android (android.graphics.Color)	4287125178 (0xFF8856BA)
YUV	112.3500, 36.3095, 20.7411
Hunter-Lab	39.2874, 32.7646, -45.3267

Details

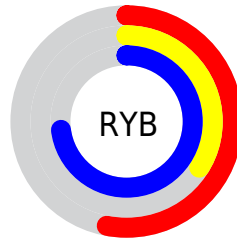
The Yxy color **15.4350, 0.2597, 0.1794** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **41.0267, 0.3434, 0.4793**, and the grayscale version is **16.2036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5689, 0.2731, 0.2073**, and **4.7829, 0.2346, 0.1351** is the 20% darker color. If you saturate the color by 10%, you get **12.0965, 0.2467, 0.1522**, and if you desaturate by 10%, it is **19.6150, 0.2721, 0.2084**.

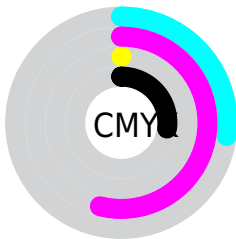
Distribution



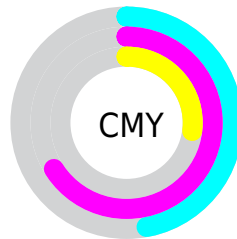
- Red (53%)
- Green (34%)
- Blue (73%)



- Red (53%)
- Yellow (34%)
- Blue (73%)



- Cyan (27%)
- Magenta (54%)
- Yellow (0%)
- Black (27%)




- Cyan (47%)
- Magenta (66%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4350, 0.2597, 0.1794 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 15.4350, 0.2597, 0.1794 by changing the saturation by 10% instead.


 15.4350, 0.2597,
0.1794


 15.4350, 0.2597,
0.1794

225.9843, 0.2922,
0.2570

 9.1252, 0.2495,
0.1600


 35.6145, 0.2730,
0.2078


 4.8230, 0.2352,
0.1357


 50.2531, 0.2776,
0.2185


 2.1438, 0.2142,
0.1048

 68.4367, 0.2812,
0.2275

 0.6891, 0.1822,
0.0654

 90.5497, 0.2842,
0.2351

 0.0000, 0.1293,
0.0000

 116.9766, 0.2867,
0.2417

 0.0000, 0.0000,
0.0000

148.1017, 0.2889,

0.2475

184.3095, 0.2907,
0.2525

■ 15.4350, 0.2597,
0.1794

■ 15.4350, 0.2597,
0.1794

■ 12.0965, 0.2467,
0.1522

■ 19.6150, 0.2721,
0.2084

■ 9.5348, 0.2335,
0.1284

■ 24.6912, 0.2834,
0.2379

■ 7.6782, 0.2208,
0.1092

■ 30.7155, 0.2936,
0.2668

■ 6.4397, 0.2091,
0.0954

■ 37.7353, 0.3025,
0.2943

■ 5.8719, 0.2023,
0.0888

■ 45.7947, 0.3101,
0.3199

■ 54.9351, 0.3166,
0.3434

■ 65.1957, 0.3221,
0.3646

■ 76.6136, 0.3267,
0.3838

■ 89.2243, 0.3304,
0.4009

Harmonies

Analogous

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



15.4350, 0.1764, 0.1622



15.4350, 0.2597, 0.1794



15.4350, 0.3804, 0.2233

Triad

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



15.4350, 0.2597, 0.1794



15.4350, 0.5128, 0.4396



15.4350, 0.1517, 0.3379

Complementary

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



15.4350, 0.2597, 0.1794



41.0267, 0.3434, 0.4793

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.



15.4350, 0.2226, 0.4836



15.4350, 0.2597, 0.1794



15.4350, 0.4292, 0.5202

Square

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



15.4350, 0.2597, 0.1794



15.4350, 0.5454, 0.3596



15.4350, 0.3248, 0.5576



15.4350, 0.1246, 0.2280

Rectangle

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



15.4350, 0.2597, 0.1794



15.4350, 0.4628, 0.2643



15.4350, 0.3248, 0.5576



15.4350, 0.1704, 0.3864

Sweetspot

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



15.4356, 0.2597, 0.1794



65.0364, 0.3004, 0.2876



23.6066, 0.2284, 0.2479



13.7307, 0.2986, 0.2820



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.4356, 0.2597, 0.1794



20.7297, 0.2436, 0.1464



20.4337, 0.3166, 0.2019



8.9341, 0.3060, 0.3059



3.9948, 0.2036, 0.0895



0.1776, 0.2325, 0.1054

Inverse Universe

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



18.8738, 0.3873, 0.2608



28.0485, 0.4142, 0.2493



37.8502, 0.3058, 0.4982



9.0851, 0.3212, 0.3176



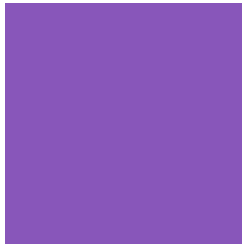
7.5701, 0.4931, 0.2490



0.2794, 0.4373, 0.2183

Previews

White Background



This preview shows how the Yxy color 15.4350, 0.2597, 0.1794 looks on a white background.

Color Contrast Check

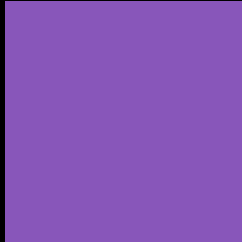
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4350, 0.2597, 0.1794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

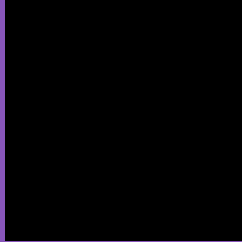
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4350, 0.2597, 0.1794

Background



This preview shows how black text looks on a background with the Yxy color 15.4350, 0.2597, 0.1794.



This preview shows how white text looks on a background with the Yxy color 15.4350, 0.2597, 0.1794.

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

15.4350, 0.2597, 0.1794

Protanopia

15.6051, 0.1907, 0.1660

Deuteranopia

15.5780, 0.2069, 0.2010



Tritanopia

15.5064, 0.3275, 0.3135

Trichromacy



Original Color

15.4350, 0.2597, 0.1794

Protanomaly

14.9785, 0.2070, 0.1675

Deuteranomaly

14.8999, 0.2203, 0.1884

Tritanomaly

15.2180, 0.3000, 0.2535

Monochromacy



Original Color

15.4350, 0.2597, 0.1794

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.6295, 0.2921, 0.2625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4350, 0.2597, 0.1794 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(136, 86, 186)` looks like.

```
.text, #text, p{  
    color:rgb(136, 86, 186)  
}
```

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(136, 86, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 86, 186) }
```

Border

The CSS property to change the border of an element to Yxy 15.4350, 0.2597, 0.1794 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(136, 86, 186) }
```

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

```
.border{ border-color:rgb(136, 86, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 86, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 86, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 86, 186);  
box-shadow:4px 4px 4px 4px rgb(136, 86,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4350, 0.2597, 0.1794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 86, 186) }
```

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

```
.background{ background-color: rgb(136, 86,  
186) }
```

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