

Converting Colors

$Y_{xy}(46.9739, 0.2943, 0.2314)$

Have a look what the booklet for
Yxy(46.9739, 0.2943, 0.2314)
contains.

Yxy(46.8854, 0.2939, 0.2311)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.8854, 0.2939, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	DE9EFA
RGB	222, 158, 250
RGB Percent	87%, 62%, 98%
CMY	0.1291, 0.3805, 0.0195
CMYK	0.11, 0.37, 0.00, 0.02
HSL	282°, 90%, 80%
HSV	282°, 37%, 98%
XYZ	59.6262, 46.8854, 96.3677
YIQ	187.6240, 8.6120, 42.1800

Conversions

Conversions Part 2

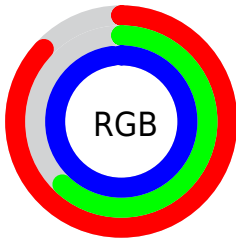
Format	Color
R _Y B	222, 158, 250
Decimal	14589690
CIE Lab	74.12, 39.59, -36.65
CIE LCh	74, 53.952, 317.210
Yxy	46.8854, 0.2939, 0.2311
Android (android.graphics.Color)	4292779770 (0xFFDE9EFA)
YUV	187.6240, 30.7514, 30.1478
Hunter-Lab	68.4729, 35.6102, -35.5127

Details

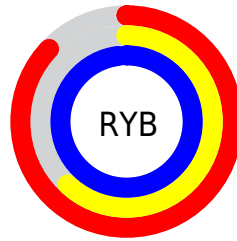
The Yxy color **46.8854, 0.2939, 0.2311** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.2808, 0.3245, 0.4354**, and the grayscale version is **49.8866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **22.0604, 0.2880, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **38.0382, 0.2869, 0.2039**, and if you desaturate by 10%, it is **57.5253, 0.3001, 0.2588**.

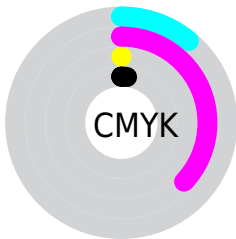
Distribution



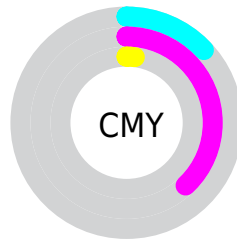
- Red (87%)
- Green (62%)
- Blue (98%)



- Red (87%)
- Yellow (62%)
- Blue (98%)



- Cyan (11%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)





- Cyan (13%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8854, 0.2939, 0.2311 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 46.8854, 0.2939, 0.2311 by changing the saturation by 10% instead.


 46.8854, 0.2939,
0.2311


 46.8854, 0.2939,
0.2311


374.3569, 0.3044,
0.2759

 32.9451, 0.2911,
0.2211


 85.5425, 0.2979,
0.2464

 22.0844, 0.2874,
0.2090


 111.0281, 0.2993,
0.2525

 13.9189, 0.2824,
0.1939


141.1309, 0.3005,
0.2577

 8.0643, 0.2753,
0.1748

176.2353, 0.3016,
0.2622

 4.1361, 0.2648,
0.1501

216.7257, 0.3024,
0.2663

 1.7500, 0.2480,
0.1174

262.9865, 0.3032,

 0.4557, 0.2211,

0.2698

0.0658

315.4021, 0.3038,
0.2730

0.0000, 0.1389,
0.0000

0.0000, 0.0000,
0.0000

46.8854, 0.2939,
0.2311

46.8854, 0.2939,
0.2311

38.0382, 0.2869,
0.2039

57.5253, 0.3001,
0.2588

30.8711, 0.2792,
0.1784

70.0496, 0.3055,
0.2860

25.2680, 0.2711,
0.1557

84.5508, 0.3101,
0.3121

21.0950, 0.2627,
0.1370

99.2006, 0.3140,
0.3338

■ 18.1949, 0.2544,
0.1231

■ 99.6836, 0.3156,
0.3338

■ 16.3692, 0.2465,
0.1141

■ 15.9165, 0.2440,
0.1118

Harmonies

Analogous

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



46.8854, 0.2310, 0.2153



46.8854, 0.2939, 0.2311



46.8854, 0.3709, 0.2666

Triad

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



46.8854, 0.2939, 0.2311



46.8854, 0.4418, 0.4245



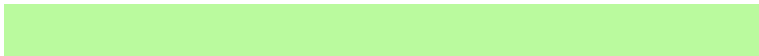
46.8854, 0.2013, 0.3247

Complementary

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



46.8854, 0.2939, 0.2311



81.2808, 0.3245, 0.4354

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.



46.8854, 0.2486, 0.4047



46.8854, 0.2939, 0.2311



46.8854, 0.3874, 0.4623

Square

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



46.8854, 0.2939, 0.2311



46.8854, 0.4620, 0.3709



46.8854, 0.3166, 0.4599



46.8854, 0.1830, 0.2592

Rectangle

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



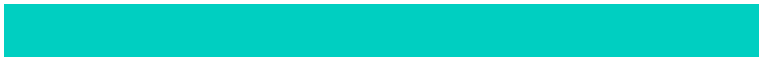
46.8854, 0.2939, 0.2311



46.8854, 0.4176, 0.2983



46.8854, 0.3166, 0.4599



46.8854, 0.2140, 0.3513

Sweetspot

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



46.8874, 0.2939, 0.2311



81.8115, 0.3082, 0.3014



49.7595, 0.2503, 0.2534



17.0697, 0.3076, 0.2978



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.8874, 0.2939, 0.2311



42.1676, 0.2889, 0.2113



50.6617, 0.3310, 0.2526



17.2447, 0.3089, 0.3053



8.5198, 0.2453, 0.1125



0.8445, 0.2545, 0.1176

Inverse Universe

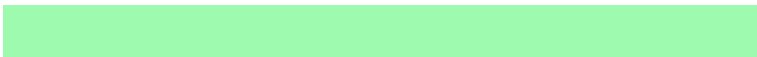
The Inverse Universe completely reimagines the original color for something new.



48.3116, 0.3750, 0.2994



44.0137, 0.3933, 0.2937



78.7400, 0.2988, 0.4200



17.3120, 0.3246, 0.3218



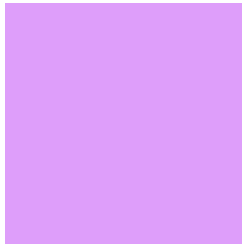
11.0787, 0.5754, 0.2943



1.0440, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 46.8854, 0.2939, 0.2311 looks on a white background.

Color Contrast Check

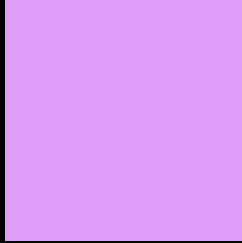
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.8854, 0.2939, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

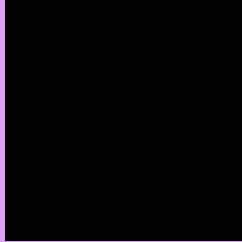
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8854, 0.2939, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 46.8854, 0.2939, 0.2311.



This preview shows how white text looks on a background with the Yxy color 46.8854, 0.2939, 0.2311.

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

46.8854, 0.2939, 0.2311

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.2957, 0.2558, 0.2495



Tritanopia

46.6257, 0.3380, 0.3122

Trichromacy



Original Color

46.8854, 0.2939, 0.2311



Protanomaly

46.5420, 0.2621, 0.2357



Deuteranomaly

46.6596, 0.2687, 0.2421



Tritanomaly

46.4748, 0.3213, 0.2793

Monochromacy



Original Color

46.8854, 0.2939, 0.2311



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.4268, 0.3054, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8854, 0.2939, 0.2311 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(222, 158, 250)` looks like.

```
.text, #text, p{  
    color:rgb(222, 158, 250)  
}
```

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(222, 158, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 158, 250) }
```

Border

The CSS property to change the border of an element to Yxy 46.8854, 0.2939, 0.2311 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(222, 158, 250) }
```

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

```
.border{ border-color:rgb(222, 158, 250) }
```

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

Here you see how a box with a 4 pixel rgb(222, 158, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 158, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 158, 250);  
box-shadow:4px 4px 4px 4px rgb(222, 158,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8854, 0.2939, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 158, 250) }
```

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

```
.background{ background-color: rgb(222,  
158, 250) }
```

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