

Converting Colors

$Y_{xy}(38.3449, 0.2580, 0.2064)$

Have a look what the booklet for
Yxy(38.3449, 0.2580, 0.2064)
contains.

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Color

Yxy(38.3449, 0.2580, 0.2064)

Conversions

Conversions Part 1

Format	Color
Hex	B694FF
RGB	182, 148, 255
RGB Percent	71%, 58%, 100%
CMY	0.2863, 0.4196, 0.0000
CMYK	0.29, 0.42, 0.00, 0.00
HSL	259°, 100%, 79%
HSV	259°, 42%, 100%
XYZ	47.9311, 38.3449, 99.5035
YIQ	170.3640, -14.0830, 40.4850

Conversions

Conversions Part 2

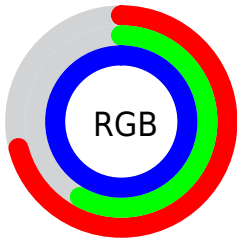
Format	Color
R _Y B	182, 148, 255
Decimal	11965695
CIE Lab	68.27, 34.73, -48.78
CIE LCh	68, 59.884, 305.449
Yxy	38.3449, 0.2580, 0.2064
Android (android.graphics.Color)	4290155775 (0xFFB694FF)
YUV	170.3640, 41.7255, 10.2048
Hunter-Lab	61.9233, 29.8006, -51.9259

Details

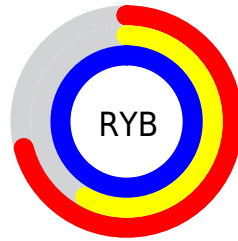
The Yxy color **38.3449, 0.2580, 0.2064** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.0338, 0.3521, 0.4420**, and the grayscale version is **40.1813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9863, 0.3042, 0.2754**, and **17.0622, 0.2412, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **29.2182, 0.2413, 0.1741**, and if you desaturate by 10%, it is **49.4964, 0.2736, 0.2386**.

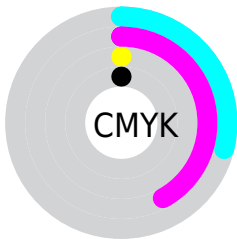
Distribution



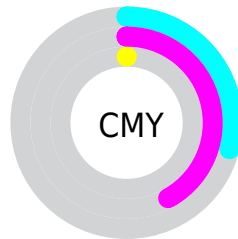
- Red (71%)
- Green (58%)
- Blue (100%)



- Red (71%)
- Yellow (58%)
- Blue (100%)



- Cyan (29%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3449, 0.2580, 0.2064 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 38.3449, 0.2580, 0.2064 by changing the saturation by 10% instead.


 38.3449, 0.2580,
0.2064

 38.3449, 0.2580,
0.2064


339.0972, 0.2866,
0.2633

 26.2505, 0.2508,
0.1937


 72.6365, 0.2685,
0.2260

 17.0111, 0.2416,
0.1783


 95.6024, 0.2724,
0.2336

 10.2424, 0.2295,
0.1594


122.9610, 0.2757,
0.2403

 5.5600, 0.2131,
0.1358

155.0966, 0.2785,
0.2460

 2.5794, 0.1902,
0.1062

192.3936, 0.2810,
0.2511

 0.9163, 0.1570,
0.0699

235.2365, 0.2831,


 0.0000, 0.1102,


0.2556


0.0000

284.0095, 0.2849,
0.2597


 0.0000, 0.0000,
0.0000

 38.3449, 0.2580,
0.2064


 38.3449, 0.2580,
0.2064


 29.2182, 0.2413,
0.1741


 49.4964, 0.2736,
0.2386


 21.9902, 0.2242,
0.1433


 62.7887, 0.2877,
0.2695


 16.5194, 0.2074,
0.1161

 78.3281, 0.3001,
0.2981

 12.6439, 0.1921,
0.0943

 96.2140, 0.3108,
0.3242

 10.1699, 0.1791,
0.0791

 100.0000, 0.3127,
0.3290

■ 8.9685, 0.1707,
0.0714

Harmonies

Analogous

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



38.3449, 0.1972, 0.1980



38.3449, 0.2580, 0.2064



38.3449, 0.3446, 0.2384

Triad

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



38.3449, 0.2580, 0.2064



38.3449, 0.4780, 0.4123



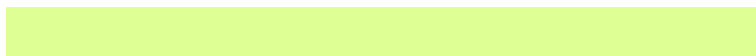
38.3449, 0.1999, 0.3601

Complementary

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



38.3449, 0.2580, 0.2064



89.0338, 0.3521, 0.4420

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.



38.3449, 0.2649, 0.4538



38.3449, 0.2580, 0.2064



38.3449, 0.4256, 0.4695

Square

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



38.3449, 0.2580, 0.2064



38.3449, 0.4838, 0.3488



38.3449, 0.3477, 0.4945



38.3449, 0.1672, 0.2712

Rectangle

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



38.3449, 0.2580, 0.2064



38.3449, 0.4055, 0.2703



38.3449, 0.3477, 0.4945



38.3449, 0.2184, 0.3937

Sweetspot

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



38.3447, 0.2580, 0.2064



76.6020, 0.2988, 0.2953



65.2919, 0.2488, 0.2893



15.6308, 0.2962, 0.2891



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.



38.3447, 0.2580, 0.2064



30.8520, 0.2447, 0.1804



46.1292, 0.3011, 0.2203



17.6576, 0.3028, 0.3048



4.7563, 0.1722, 0.0722



0.5186, 0.1842, 0.0788

Inverse Universe

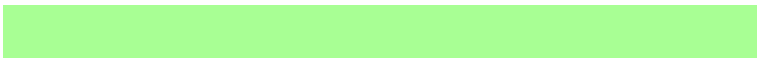
The Inverse Universe completely reimagines the original color for something new.



47.6632, 0.3474, 0.2552



41.4493, 0.3567, 0.2420



81.9416, 0.3177, 0.4554



18.1964, 0.3187, 0.3129



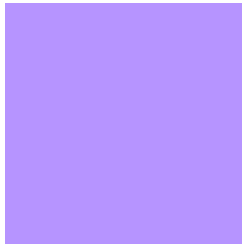
12.7344, 0.4216, 0.2096



1.2598, 0.4072, 0.2017

Previews

White Background



This preview shows how the Yxy color 38.3449, 0.2580, 0.2064 looks on a white background.

Color Contrast Check

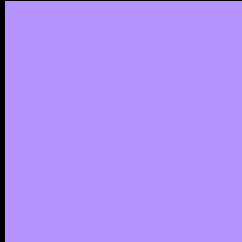
Large Text (above 18pt) WCAG AA × Fail

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 38.3449, 0.2580, 0.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

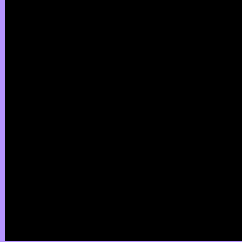
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3449, 0.2580, 0.2064

Background



This preview shows how black text looks on a background with the Yxy color 38.3449, 0.2580, 0.2064.



This preview shows how white text looks on a background with the Yxy color 38.3449, 0.2580, 0.2064.

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

38.3449, 0.2580, 0.2064

Protanopia

38.7575, 0.2282, 0.2157

Deuteranopia

38.7495, 0.2272, 0.2212



Tritanopia

38.3401, 0.3035, 0.3109

Trichromacy



Original Color

38.3449, 0.2580, 0.2064

Protanomaly

38.2530, 0.2378, 0.2113

Deuteranomaly

38.0276, 0.2370, 0.2145

Tritanomaly

38.0232, 0.2852, 0.2674

Monochromacy



Original Color

38.3449, 0.2580, 0.2064

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.0564, 0.2910, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3449, 0.2580, 0.2064 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(182, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 148, 255)  
}
```

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(182, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.3449, 0.2580, 0.2064 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(182, 148, 255) }
```

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

```
.border{ border-color:rgb(182, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3449, 0.2580, 0.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 148, 255) }
```

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

```
.background{ background-color: rgb(182,  
148, 255) }
```

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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