

Converting Colors

$Y_{xy}(38.9396, 0.2522, 0.1977)$

Have a look what the booklet for
Yxy(38.9396, 0.2522, 0.1977)
contains.

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Color

Yxy(38.4671, 0.2588, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	B794FF
RGB	183, 148, 255
RGB Percent	72%, 58%, 100%
CMY	0.2824, 0.4196, 0.0001
CMYK	0.28, 0.42, 0.00, 0.00
HSL	260°, 100%, 79%
HSV	260°, 42%, 100%
XYZ	48.1630, 38.4671, 99.4710
YIQ	170.6630, -13.4870, 40.6970

Conversions

Conversions Part 2

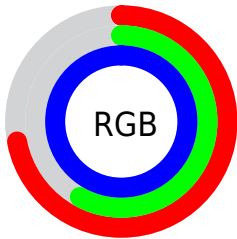
Format	Color
RYB	183, 148, 255
Decimal	12031231
CIELab	68.36, 34.99, -48.61
CIELCh	68, 59.890, 305.745
Yxy	38.4671, 0.2588, 0.2067
Android (android.graphics.Color)	4290221311 (0xFFB794FF)
YUV	170.6630, 41.5781, 10.8195
Hunter-Lab	62.0219, 30.0756, -51.6744

Details

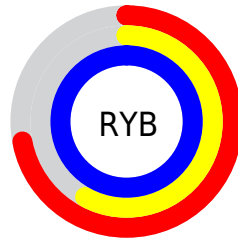
The Yxy color **38.4671, 0.2588, 0.2067** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.8562, 0.3514, 0.4422**, and the grayscale version is **40.3408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1618, 0.3050, 0.2755**, and **17.1386, 0.2422, 0.1788** is the 20% darker color. If you saturate the color by 10%, you get **29.3534, 0.2423, 0.1745**, and if you desaturate by 10%, it is **49.6018, 0.2742, 0.2388**.

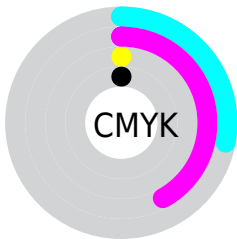
Distribution



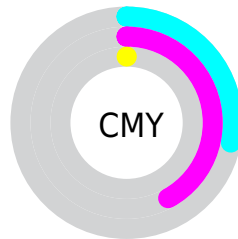
- Red (72%)
- Green (58%)
- Blue (100%)



- Red (72%)
- Yellow (58%)
- Blue (100%)



- Cyan (28%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4671, 0.2588, 0.2067 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 38.4671, 0.2588, 0.2067 by changing the saturation by 10% instead.

 38.4671, 0.2588,
0.2067


 38.4671, 0.2588,
0.2067


339.6195, 0.2870,
0.2634

 26.3454, 0.2517,
0.1941

 72.8235, 0.2692,
0.2262

 17.0822, 0.2426,
0.1787

 95.8270, 0.2730,
0.2338

 10.2931, 0.2306,
0.1598


123.2266, 0.2763,
0.2404

 5.5937, 0.2145,
0.1363

155.4067, 0.2790,
0.2462

 2.5997, 0.1917,
0.1068

192.7516, 0.2814,
0.2513

 0.9265, 0.1588,
0.0705

235.6458, 0.2835,

 0.0000, 0.1126,

0.2558


0.0000


284.4736, 0.2854,
0.2598


 0.0000, 0.0000,
0.0000


 38.4671, 0.2588,
0.2067


 38.4671, 0.2588,
0.2067

 29.3534, 0.2423,
0.1745

 49.6018, 0.2742,
0.2388


 22.1301, 0.2253,
0.1439

 62.8680, 0.2880,
0.2696


 16.6580, 0.2087,
0.1168

 78.3734, 0.3003,
0.2982

 12.7756, 0.1934,
0.0950

 96.2171, 0.3108,
0.3242

 10.2897, 0.1804,
0.0798

 99.9983, 0.3127,
0.3290

■ 9.0749, 0.1719,
0.0721

Harmonies

Analogous

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



38.4671, 0.1977, 0.1981



38.4671, 0.2588, 0.2067



38.4671, 0.3455, 0.2389

Triad

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



38.4671, 0.2588, 0.2067



38.4671, 0.4776, 0.4129



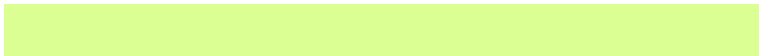
38.4671, 0.1995, 0.3591

Complementary

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



38.4671, 0.2588, 0.2067



88.8562, 0.3514, 0.4422

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.



38.4671, 0.2642, 0.4529



38.4671, 0.2588, 0.2067



38.4671, 0.4249, 0.4699

Square

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



38.4671, 0.2588, 0.2067



38.4671, 0.4839, 0.3494



38.4671, 0.3468, 0.4943



38.4671, 0.1672, 0.2705

Rectangle

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



38.4671, 0.2588, 0.2067



38.4671, 0.4063, 0.2709



38.4671, 0.3468, 0.4943



38.4671, 0.2179, 0.3926

Sweetspot

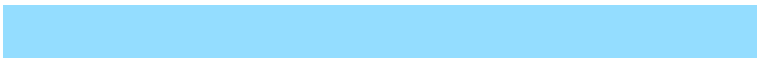
The Sweet Spot groups the original color and five complimentary colors.



38.4686, 0.2588, 0.2067



76.6546, 0.2991, 0.2953



65.2825, 0.2488, 0.2893



15.6437, 0.2965, 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.



38.4686, 0.2588, 0.2067



30.9850, 0.2456, 0.1807



46.1264, 0.3011, 0.2204



17.6662, 0.3030, 0.3048



4.8145, 0.1735, 0.0729



0.5251, 0.1855, 0.0796

Inverse Universe

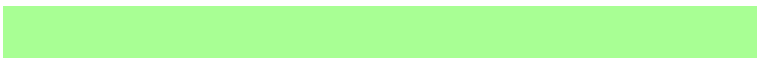
The Inverse Universe completely reimagines the original color for something new.



47.6058, 0.3484, 0.2562



41.3877, 0.3579, 0.2431



81.9250, 0.3177, 0.4554



18.1934, 0.3188, 0.3131



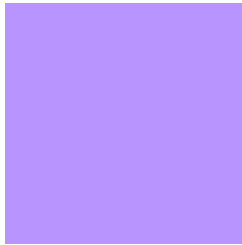
12.6859, 0.4252, 0.2116



1.2553, 0.4103, 0.2034

Previews

White Background



This preview shows how the Yxy color 38.4671, 0.2588, 0.2067 looks on a white background.

Color Contrast Check

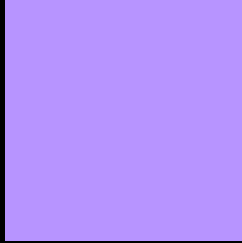
Large Text (above 18pt) WCAG AA × Fail

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 38.4671, 0.2588, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

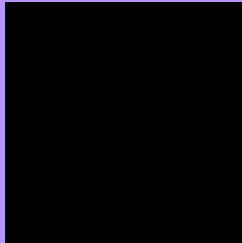
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4671, 0.2588, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 38.4671, 0.2588, 0.2067.



This preview shows how white text looks on a background with the Yxy color 38.4671, 0.2588, 0.2067.

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

38.4671, 0.2588, 0.2067

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.7495, 0.2272, 0.2212



Tritanopia

38.4495, 0.3044, 0.3110

Trichromacy



Original Color

38.4671, 0.2588, 0.2067

Protanomaly

38.3491, 0.2384, 0.2115

Deuteranomaly

38.0276, 0.2370, 0.2145

Tritanomaly

38.1367, 0.2861, 0.2676

Monochromacy



Original Color

38.4671, 0.2588, 0.2067

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.5726, 0.2911, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4671, 0.2588, 0.2067 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(183, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.4671, 0.2588, 0.2067 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(183, 148, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4671, 0.2588, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 148, 255) }
```

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

```
.background{ background-color: rgb(183,  
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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