

Converting Colors

$Yxy(38.7826, 0.2625, 0.2068)$

Have a look what the booklet for
Yxy(38.7826, 0.2625, 0.2068)
contains.

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Color

Yxy(38.7788, 0.2625, 0.2068)

Conversions

Conversions Part 1

Format	Color
Hex	BC93FF
RGB	188, 147, 255
RGB Percent	74%, 58%, 100%
CMY	0.2628, 0.4235, 0.0000
CMYK	0.26, 0.42, 0.00, 0.00
HSL	263°, 100%, 79%
HSV	263°, 42%, 100%
XYZ	49.2236, 38.7788, 99.5160
YIQ	171.5710, -10.2320, 42.2800

Conversions

Conversions Part 2

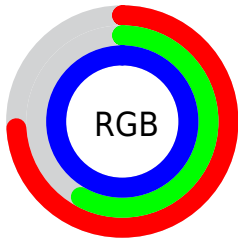
Format	Color
R_{YB}	188, 147, 255
Decimal	12358655
CIE _{Lab}	68.59, 36.91, -48.25
CIE _{LCh}	69, 60.747, 307.419
Yxy	38.7788, 0.2625, 0.2068
Android (android.graphics.Color)	4290548735 (0xFFBC93FF)
YUV	171.5710, 41.1305, 14.4082
Hunter-Lab	62.2726, 32.1187, -51.1587

Details

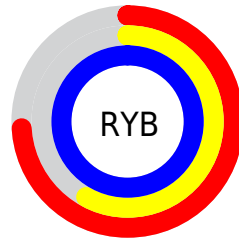
The Yxy color **38.7788, 0.2625, 0.2068** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.9244, 0.3479, 0.4449**, and the grayscale version is **40.8191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0539, 0.3086, 0.2761**, and **17.3485, 0.2469, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **29.8074, 0.2471, 0.1754**, and if you desaturate by 10%, it is **49.7281, 0.2768, 0.2383**.

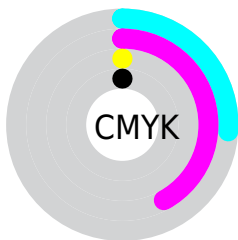
Distribution



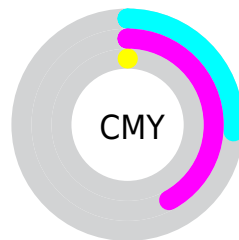
- Red (74%)
- Green (58%)
- Blue (100%)



- Red (74%)
- Yellow (58%)
- Blue (100%)



- Cyan (26%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7788, 0.2625, 0.2068 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 38.7788, 0.2625, 0.2068 by changing the saturation by 10% instead.


 38.7788, 0.2625,
0.2068


 38.7788, 0.2625,
0.2068


340.9491, 0.2889,
0.2633

 26.5877, 0.2558,
0.1942


 73.3003, 0.2722,
0.2262

 17.2638, 0.2472,
0.1790


 96.3994, 0.2759,
0.2338

 10.4228, 0.2358,
0.1603


123.9034, 0.2789,
0.2404

 5.6802, 0.2204,
0.1369

156.1966, 0.2815,
0.2461

 2.6516, 0.1986,
0.1076

193.6633, 0.2838,
0.2512

 0.9527, 0.1667,
0.0716

236.6881, 0.2857,

 0.0000, 0.1227,

0.2557

0.0000

285.6552, 0.2874,
0.2597

■ 0.0000, 0.0000,
0.0000

■ 38.7788, 0.2625,
0.2068

■ 38.7788, 0.2625,
0.2068

■ 29.8074, 0.2471,
0.1754

■ 49.7281, 0.2768,
0.2383

■ 22.6892, 0.2312,
0.1456

■ 62.7686, 0.2896,
0.2687

■ 17.2850, 0.2154,
0.1194

■ 78.0048, 0.3009,
0.2972

■ 13.4350, 0.2006,
0.0984

■ 95.5345, 0.3106,
0.3232

■ 10.9469, 0.1877,
0.0836

■ 100.0000, 0.3127,
0.3290

■ 9.7496, 0.1794,
0.0762

Harmonies

Analogous

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



38.7788, 0.1992, 0.1967



38.7788, 0.2625, 0.2068



38.7788, 0.3510, 0.2404

Triad

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



38.7788, 0.2625, 0.2068



38.7788, 0.4773, 0.4169



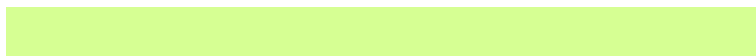
38.7788, 0.1956, 0.3537

Complementary

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



38.7788, 0.2625, 0.2068



87.9244, 0.3479, 0.4449

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.



38.7788, 0.2592, 0.4502



38.7788, 0.2625, 0.2068



38.7788, 0.4219, 0.4738

Square

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



38.7788, 0.2625, 0.2068



38.7788, 0.4870, 0.3529



38.7788, 0.3422, 0.4959



38.7788, 0.1650, 0.2657

Rectangle

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



38.7788, 0.2625, 0.2068



38.7788, 0.4122, 0.2732



38.7788, 0.3422, 0.4959



38.7788, 0.2134, 0.3877

Sweetspot

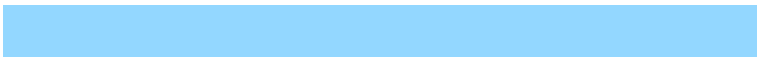
The Sweet Spot groups the original color and five complimentary colors.



38.7789, 0.2625, 0.2068



76.9485, 0.3002, 0.2954



62.2288, 0.2471, 0.2823



15.7158, 0.2978, 0.2893



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.



38.7789, 0.2625, 0.2068



30.9089, 0.2493, 0.1796



46.7190, 0.3055, 0.2208



17.7137, 0.3038, 0.3048



5.1730, 0.1810, 0.0771



0.5639, 0.1935, 0.0840

Inverse Universe

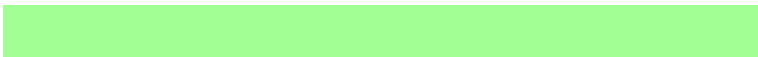
The Inverse Universe completely reimagines the original color for something new.



46.9840, 0.3543, 0.2608



40.3533, 0.3664, 0.2478



81.2457, 0.3146, 0.4580



18.1766, 0.3197, 0.3144



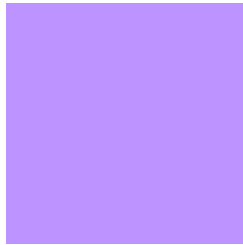
12.4326, 0.4461, 0.2231



1.2318, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 38.7788, 0.2625, 0.2068 looks on a white background.

Color Contrast Check

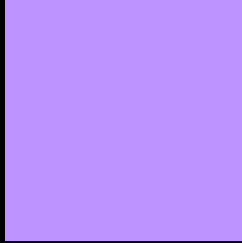
Large Text (above 18pt) WCAG AA × Fail

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 38.7788, 0.2625, 0.2068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

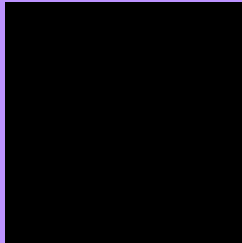
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7788, 0.2625, 0.2068

Background



This preview shows how black text looks on a background with the Yxy color 38.7788, 0.2625, 0.2068.



This preview shows how white text looks on a background with the Yxy color 38.7788, 0.2625, 0.2068.

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

38.7788, 0.2625, 0.2068

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.2696, 0.2285, 0.2228



Tritanopia

38.7239, 0.3108, 0.3112

Trichromacy



Original Color

38.7788, 0.2625, 0.2068

Protanomaly

38.5437, 0.2397, 0.2119

Deuteranomaly

38.6539, 0.2391, 0.2163

Tritanomaly

38.4452, 0.2920, 0.2684

Monochromacy



Original Color

38.7788, 0.2625, 0.2068

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.9236, 0.2937, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7788, 0.2625, 0.2068 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(188, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 147, 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(188, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 147, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.7788, 0.2625, 0.2068 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(188, 147, 255) }
```

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

```
.border{ border-color:rgb(188, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 147,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7788, 0.2625, 0.2068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 147, 255) }
```

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

```
.background{ background-color: rgb(188,  
147, 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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