

Converting Colors

$Yxy(38.2727, 0.2699, 0.2031)$

Have a look what the booklet for
Yxy(38.2727, 0.2699, 0.2031)
contains.

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Color

Yxy(38.2755, 0.2699, 0.2031)

Conversions

Conversions Part 1

Format	Color
Hex	C68DFF
RGB	198, 141, 255
RGB Percent	78%, 55%, 100%
CMY	0.2235, 0.4471, 0.0000
CMYK	0.22, 0.45, 0.00, 0.00
HSL	270°, 100%, 78%
HSV	270°, 45%, 100%
XYZ	50.8644, 38.2755, 99.3165
YIQ	171.0390, -2.6220, 47.5380

Conversions

Conversions Part 2

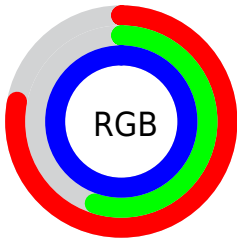
Format	Color
RYB	198, 141, 255
Decimal	13012479
CIELab	68.22, 42.91, -48.75
CIELCh	68, 64.944, 311.354
Yxy	38.2755, 0.2699, 0.2031
Android (android.graphics.Color)	4291202559 (0xFFC68DFF)
YUV	171.0390, 41.3928, 23.6448
Hunter-Lab	61.8672, 38.4870, -51.8723

Details

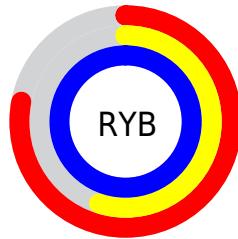
The Yxy color $38.2755, 0.2699, 0.2031$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85.4484, 0.3403, 0.4554$, and the grayscale version is $40.5356, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.9599, 0.3154, 0.2712$, and $16.9728, 0.2562, 0.1745$ is the 20% darker color. If you saturate the color by 10%, you get $29.9425, 0.2572, 0.1738$, and if you desaturate by 10%, it is $48.4879, 0.2817, 0.2332$.

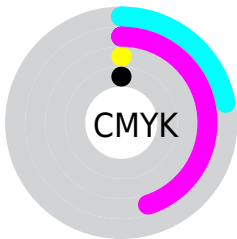
Distribution



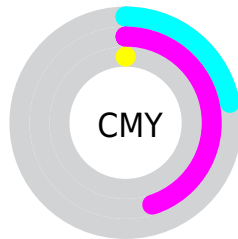
- Red (78%)
- Green (55%)
- Blue (100%)



- Red (78%)
- Yellow (55%)
- Blue (100%)



- Cyan (22%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2755, 0.2699, 0.2031 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 38.2755, 0.2699, 0.2031 by changing the saturation by 10% instead.


 38.2755, 0.2699,
0.2031


 38.2755, 0.2699,
0.2031


338.8003, 0.2930,
0.2609


 26.1966, 0.2639,
0.1903

 72.5302, 0.2785,
0.2229

 16.9708, 0.2561,
0.1749


 95.4748, 0.2817,
0.2307

 10.2136, 0.2458,
0.1560


 122.8101, 0.2844,
0.2374

 5.5408, 0.2316,
0.1325

154.9204, 0.2866,
0.2433

 2.5680, 0.2113,
0.1033

192.1902, 0.2886,
0.2485

 0.9106, 0.1810,
0.0678

235.0038, 0.2902,

 0.0000, 0.1385,

0.2531

0.0000

283.7458, 0.2917,
0.2572

■ 0.0000, 0.0000,
0.0000

■ 38.2755, 0.2699,
0.2031

■ 38.2755, 0.2699,
0.2031

■ 29.9425, 0.2572,
0.1738

■ 48.4879, 0.2817,
0.2332

■ 23.3609, 0.2438,
0.1467

■ 60.6882, 0.2922,
0.2628

■ 18.3924, 0.2305,
0.1234

■ 74.9809, 0.3015,
0.2910

■ 14.8751, 0.2177,
0.1051

■ 91.4623, 0.3094,
0.3174

■ 12.6107, 0.2061,
0.0926

100.0000, 0.3127,
0.3290

■ 11.7713, 0.2004,
0.0878

Harmonies

Analogous

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



38.2755, 0.1991, 0.1888



38.2755, 0.2699, 0.2031



38.2755, 0.3667, 0.2412

Triad

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



38.2755, 0.2699, 0.2031



38.2755, 0.4817, 0.4289



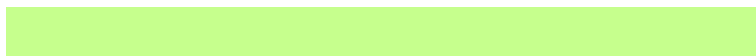
38.2755, 0.1816, 0.3407

Complementary

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



38.2755, 0.2699, 0.2031



85.4484, 0.3403, 0.4554

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.



38.2755, 0.2442, 0.4485



38.2755, 0.2699, 0.2031



38.2755, 0.4171, 0.4887

Square

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



38.2755, 0.2699, 0.2031



38.2755, 0.5011, 0.3613



38.2755, 0.3307, 0.5074



38.2755, 0.1548, 0.2510

Rectangle

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



38.2755, 0.2699, 0.2031



38.2755, 0.4311, 0.2769



38.2755, 0.3307, 0.5074



38.2755, 0.1986, 0.3774

Sweetspot

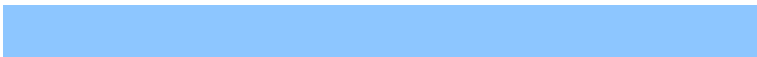
The Sweet Spot groups the original color and five complimentary colors.



38.2768, 0.2699, 0.2031



77.6339, 0.3029, 0.2957



53.2715, 0.2404, 0.2601



15.8844, 0.3010, 0.2897



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.



38.2768, 0.2699, 0.2031



30.4712, 0.2581, 0.1758



47.5303, 0.3179, 0.2195



17.8239, 0.3058, 0.3050



6.2395, 0.2021, 0.0887



0.6724, 0.2143, 0.0954

Inverse Universe

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



44.3873, 0.3714, 0.2705



37.6039, 0.3899, 0.2595



79.1060, 0.3061, 0.4697



18.1386, 0.3215, 0.3172



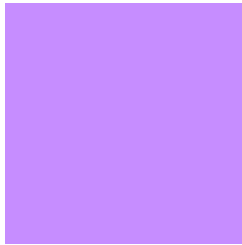
11.9463, 0.4965, 0.2509



1.1852, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 38.2755, 0.2699, 0.2031 looks on a white background.

Color Contrast Check

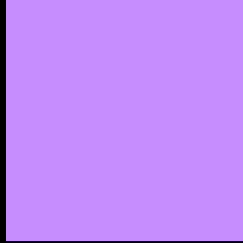
Large Text (above 18pt) WCAG AA × Fail

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 38.2755, 0.2699, 0.2031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

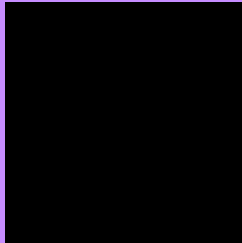
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2755, 0.2699, 0.2031

Background



This preview shows how black text looks on a background with the Yxy color 38.2755, 0.2699, 0.2031.



This preview shows how white text looks on a background with the Yxy color 38.2755, 0.2699, 0.2031.

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

38.2755, 0.2699, 0.2031

Protanopia

38.7575, 0.2282, 0.2157

Deuteranopia

38.7638, 0.2282, 0.2223



Tritanopia

38.3105, 0.3250, 0.3129

Trichromacy



Original Color

38.2755, 0.2699, 0.2031



Protanomaly

38.1650, 0.2413, 0.2101



Deuteranomaly

37.9145, 0.2405, 0.2132

Tritanomaly

37.8656, 0.3035, 0.2670

Monochromacy



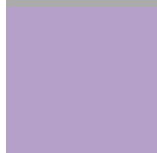
Original Color

38.2755, 0.2699, 0.2031



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.2296, 0.2963, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2755, 0.2699, 0.2031 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(198, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 141, 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(198, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.2755, 0.2699, 0.2031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

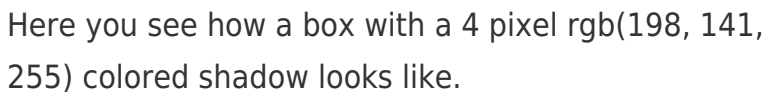
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 141, 255) }
```

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

```
.border{ border-color:rgb(198, 141, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2755, 0.2699, 0.2031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 141, 255) }
```

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

```
.background{ background-color: rgb(198,  
141, 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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