

Converting Colors

$Y_{xy}(38.9031, 0.2766, 0.2036)$

Have a look what the booklet for
Yxy(38.9031, 0.2766, 0.2036)
contains.

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Color

Yxy(38.8070, 0.2763, 0.2033)

Conversions

Conversions Part 1

Format	Color
Hex	CE8BFF
RGB	206, 139, 255
RGB Percent	81%, 55%, 100%
CMY	0.1921, 0.4549, 0.0000
CMYK	0.19, 0.45, 0.00, 0.00
HSL	275°, 100%, 77%
HSV	275°, 45%, 100%
XYZ	52.7416, 38.8070, 99.3368
YIQ	172.2570, 2.6960, 50.2800

Conversions

Conversions Part 2

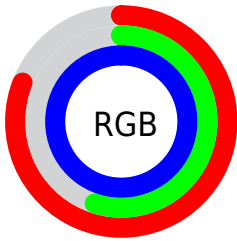
Format	Color
R _Y B	206, 139, 255
Decimal	13536255
CIE _{Lab}	68.61, 46.17, -48.09
CIE _{LCh}	69, 66.669, 313.831
Y _{xy}	38.8070, 0.2763, 0.2033
Android (android.graphics.Color)	4291726335 (0xFFCE8BFF)
YUV	172.2570, 40.7923, 29.5926
Hunter-Lab	62.2953, 42.1084, -50.9378

Details

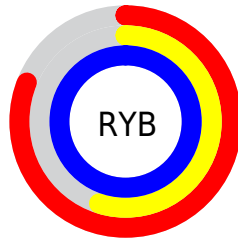
The Yxy color **38.8070, 0.2763, 0.2033** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.0723, 0.3348, 0.4603**, and the grayscale version is **41.1799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **17.2832, 0.2635, 0.1752** is the 20% darker color. If you saturate the color by 10%, you get **30.7756, 0.2655, 0.1754**, and if you desaturate by 10%, it is **48.6660, 0.2863, 0.2323**.

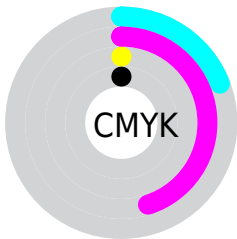
Distribution



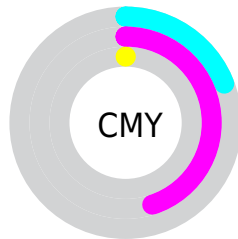
- Red (81%)
- Green (55%)
- Blue (100%)



- Red (81%)
- Yellow (55%)
- Blue (100%)



- Cyan (19%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8070, 0.2763, 0.2033 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 38.8070, 0.2763, 0.2033 by changing the saturation by 10% instead.


 38.8070, 0.2763,
0.2033


 38.8070, 0.2763,
0.2033

341.0692, 0.2963,
0.2608


 26.6096, 0.2710,
0.1907


 73.3434, 0.2838,
0.2229

 17.2803, 0.2641,
0.1754


 96.4512, 0.2866,
0.2306

 10.4345, 0.2549,
0.1567


 123.9646, 0.2889,
0.2374

 5.6880, 0.2421,
0.1336

156.2680, 0.2909,
0.2432

 2.6563, 0.2235,
0.1047

193.7457, 0.2925,
0.2484

 0.9550, 0.1954,
0.0695

236.7823, 0.2940,


 0.0000, 0.1558,

0.2530


0.0000

285.7620, 0.2952,
0.2571


 0.0000, 0.0000,
0.0000


 38.8070, 0.2763,
0.2033


 38.8070, 0.2763,
0.2033


 30.7756, 0.2655,
0.1754


 48.6660, 0.2863,
0.2323


 24.4480, 0.2541,
0.1500


 60.4642, 0.2951,
0.2612

 19.6848, 0.2426,
0.1284


 74.3043, 0.3029,
0.2891

 16.3235, 0.2314,
0.1117

 90.2816, 0.3095,
0.3154

 14.1634, 0.2209,
0.1004

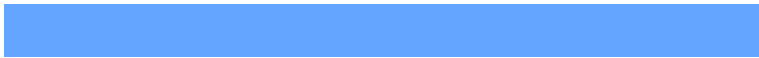
100.0000, 0.3127,
0.3290

 13.4532, 0.2165,
0.0966

Harmonies

Analogous

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



38.8070, 0.2017, 0.1867



38.8070, 0.2763, 0.2033



38.8070, 0.3763, 0.2437

Triad

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



38.8070, 0.2763, 0.2033



38.8070, 0.4806, 0.4356



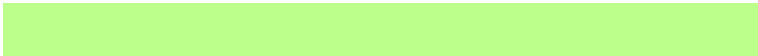
38.8070, 0.1754, 0.3317

Complementary

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



38.8070, 0.2763, 0.2033



84.0723, 0.3348, 0.4603

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.



38.8070, 0.2360, 0.4432



38.8070, 0.2763, 0.2033



38.8070, 0.4118, 0.4954

Square

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



38.8070, 0.2763, 0.2033



38.8070, 0.5056, 0.3668



38.8070, 0.3229, 0.5099



38.8070, 0.1514, 0.2435

Rectangle

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



38.8070, 0.2763, 0.2033



38.8070, 0.4409, 0.2806



38.8070, 0.3229, 0.5099



38.8070, 0.1916, 0.3689

Sweetspot

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



38.8071, 0.2763, 0.2033



76.5520, 0.3040, 0.2932



49.2165, 0.2374, 0.2488



15.6934, 0.3024, 0.2873



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.



38.8071, 0.2763, 0.2033



31.1307, 0.2660, 0.1767



46.4549, 0.3245, 0.2240



17.8960, 0.3070, 0.3051



7.1194, 0.2181, 0.0975



0.7575, 0.2294, 0.1037

Inverse Universe

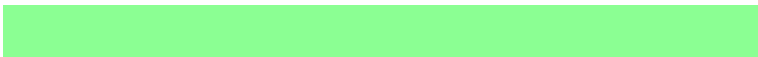
The Inverse Universe completely reimagines the original color for something new.



43.3529, 0.3825, 0.2785



36.5194, 0.4052, 0.2692



79.1063, 0.3024, 0.4632



18.1144, 0.3228, 0.3190



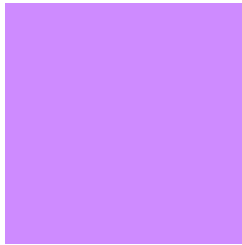
11.6992, 0.5292, 0.2689



1.1604, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 38.8070, 0.2763, 0.2033 looks on a white background.

Color Contrast Check

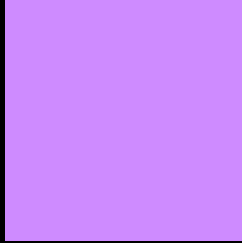
Large Text (above 18pt) WCAG AA × Fail

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 38.8070, 0.2763, 0.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

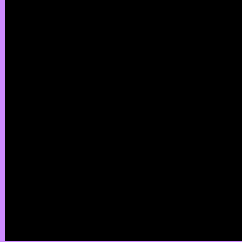
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8070, 0.2763, 0.2033

Background



This preview shows how black text looks on a background with the Yxy color 38.8070, 0.2763, 0.2033.



This preview shows how white text looks on a background with the Yxy color 38.8070, 0.2763, 0.2033.

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

38.8070, 0.2763, 0.2033

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.3649, 0.2301, 0.2240



Tritanopia

38.6005, 0.3340, 0.3120

Trichromacy



Original Color

38.8070, 0.2763, 0.2033



Protanomaly

38.5740, 0.2440, 0.2109



Deuteranomaly

38.4113, 0.2438, 0.2142

Tritanomaly

38.2678, 0.3109, 0.2659

Monochromacy



Original Color

38.8070, 0.2763, 0.2033



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.5962, 0.2989, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8070, 0.2763, 0.2033 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(206, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 139, 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(206, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.8070, 0.2763, 0.2033 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(206, 139, 255) }
```

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

```
.border{ border-color:rgb(206, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8070, 0.2763, 0.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 139, 255) }
```

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

```
.background{ background-color: rgb(206,  
139, 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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