

Converting Colors

$Y_{xy}(38.1326, 0.2785, 0.2004)$

Have a look what the booklet for
Yxy(38.1326, 0.2785, 0.2004)
contains.

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Color

Yxy(38.1033, 0.2786, 0.2002)

Conversions

Conversions Part 1

Format	Color
Hex	D187FF
RGB	209, 135, 255
RGB Percent	82%, 53%, 100%
CMY	0.1802, 0.4707, 0.0000
CMYK	0.18, 0.47, 0.00, 0.00
HSL	277°, 100%, 76%
HSV	277°, 47%, 100%
XYZ	53.0249, 38.1033, 99.1980
YIQ	170.8060, 5.5840, 53.0080

Conversions

Conversions Part 2

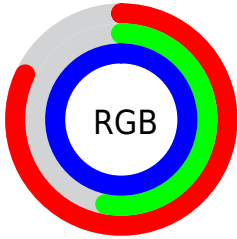
Format	Color
RYB	209, 135, 255
Decimal	13731839
CIELab	68.10, 49.12, -48.89
CIELCh	68, 69.306, 315.135
Yxy	38.1033, 0.2786, 0.2002
Android (android.graphics.Color)	4291921919 (0xFFD187FF)
YUV	170.8060, 41.5076, 33.4961
Hunter-Lab	61.7279, 45.3096, -52.0708

Details

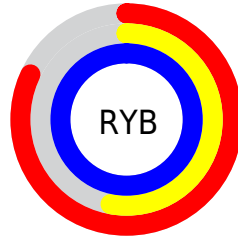
The Yxy color **38.1033, 0.2786, 0.2002** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.0810, 0.3323, 0.4666**, and the grayscale version is **40.4067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **16.9391, 0.2664, 0.1720** is the 20% darker color. If you saturate the color by 10%, you get **30.4401, 0.2687, 0.1733**, and if you desaturate by 10%, it is **47.5556, 0.2877, 0.2286**.

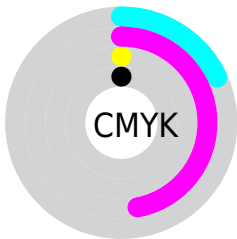
Distribution



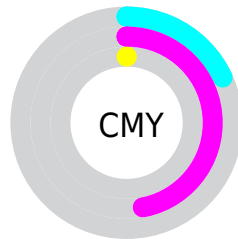
- Red (82%)
- Green (53%)
- Blue (100%)



- Red (82%)
- Yellow (53%)
- Blue (100%)



- Cyan (18%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1033, 0.2786, 0.2002 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 38.1033, 0.2786, 0.2002 by changing the saturation by 10% instead.

 38.1033, 0.2786,
0.2002


 38.1033, 0.2786,
0.2002


338.0629, 0.2977,
0.2589

 26.0629, 0.2735,
0.1873


 72.2664, 0.2858,
0.2202

 16.8707, 0.2668,
0.1718


 95.1579, 0.2885,
0.2281

 10.1423, 0.2578,
0.1529


 122.4353, 0.2907,
0.2350

 5.4934, 0.2452,
0.1295

154.4828, 0.2925,
0.2410

 2.5396, 0.2269,
0.1005

191.6849, 0.2941,
0.2463

 0.8964, 0.1989,
0.0655

234.4261, 0.2955,


 0.0000, 0.1590,


0.2510


0.0000


283.0906, 0.2966,
0.2552


 0.0000, 0.0000,
0.0000


 38.1033, 0.2786,
0.2002


 38.1033, 0.2786,
0.2002


 30.4401, 0.2687,
0.1733


 47.5556, 0.2877,
0.2286

 24.4433, 0.2584,
0.1492


 58.9125, 0.2959,
0.2571

 19.9702, 0.2478,
0.1290

 72.2764, 0.3029,
0.2850

 16.8541, 0.2376,
0.1139

 87.7434, 0.3090,
0.3114

 14.8824, 0.2280,
0.1038

100.0000, 0.3127,
0.3290

■ 14.4286, 0.2253,
0.1015

Harmonies

Analogous

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



38.1033, 0.2001, 0.1819



38.1033, 0.2786, 0.2002



38.1033, 0.3836, 0.2426

Triad

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



38.1033, 0.2786, 0.2002



38.1033, 0.4841, 0.4411



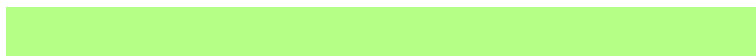
38.1033, 0.1682, 0.3263

Complementary

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



38.1033, 0.2786, 0.2002



83.0810, 0.3323, 0.4666

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.



38.1033, 0.2288, 0.4444



38.1033, 0.2786, 0.2002



38.1033, 0.4106, 0.5037

Square

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



38.1033, 0.2786, 0.2002



38.1033, 0.5138, 0.3698



38.1033, 0.3180, 0.5178



38.1033, 0.1456, 0.2365

Rectangle

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



38.1033, 0.2786, 0.2002



38.1033, 0.4506, 0.2810



38.1033, 0.3180, 0.5178



38.1033, 0.1841, 0.3651

Sweetspot

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



38.1025, 0.2786, 0.2002



76.7997, 0.3049, 0.2933



45.4075, 0.2333, 0.2378



15.7538, 0.3035, 0.2875



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.



38.1025, 0.2786, 0.2002



31.1794, 0.2698, 0.1761



44.9293, 0.3303, 0.2256



17.9329, 0.3076, 0.3051



7.6277, 0.2268, 0.1023



0.8055, 0.2374, 0.1081

Inverse Universe

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



41.9111, 0.3913, 0.2816



35.6772, 0.4148, 0.2740



78.8371, 0.2993, 0.4612



18.1021, 0.3234, 0.3199



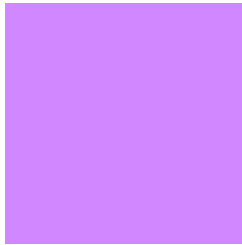
11.5925, 0.5454, 0.2778



1.1492, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 38.1033, 0.2786, 0.2002 looks on a white background.

Color Contrast Check

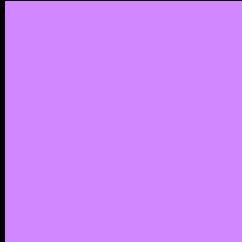
Large Text (above 18pt) WCAG AA × Fail

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 38.1033, 0.2786, 0.2002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

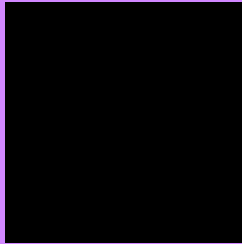
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1033, 0.2786, 0.2002

Background



This preview shows how black text looks on a background with the Yxy color 38.1033, 0.2786, 0.2002.



This preview shows how white text looks on a background with the Yxy color 38.1033, 0.2786, 0.2002.

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

38.1033, 0.2786, 0.2002

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.3390, 0.2284, 0.2219



Tritanopia

37.8348, 0.3413, 0.3134

Trichromacy



Original Color

38.1033, 0.2786, 0.2002



Protanomaly

37.4760, 0.2428, 0.2071



Deuteranomaly

37.2443, 0.2432, 0.2112

Tritanomaly

37.5827, 0.3166, 0.2661

Monochromacy



Original Color

38.1033, 0.2786, 0.2002



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.0323, 0.2998, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1033, 0.2786, 0.2002 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(209, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 135, 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(209, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1033, 0.2786, 0.2002 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(209, 135, 255) }
```

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

```
.border{ border-color:rgb(209, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1033, 0.2786, 0.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 135, 255) }
```

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

```
.background{ background-color: rgb(209,  
135, 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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