

Converting Colors

$Y_{xy}(38.1191, 0.2802, 0.1999)$

Have a look what the booklet for
Yxy(38.1191, 0.2802, 0.1999)
contains.

Yxy(38.1191, 0.2802, 0.1999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.1191, 0.2802, 0.1999)

Conversions

Conversions Part 1

Format	Color
Hex	D386FF
RGB	211, 134, 255
RGB Percent	83%, 53%, 100%
CMY	0.1727, 0.4744, 0.0000
CMYK	0.17, 0.47, 0.00, 0.00
HSL	278°, 100%, 76%
HSV	278°, 47%, 100%
XYZ	53.4316, 38.1191, 99.1402
YIQ	170.8170, 7.0510, 53.9550

Conversions

Conversions Part 2

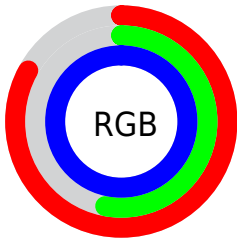
Format	Color
R _Y B	211, 134, 255
Decimal	13862655
CIE Lab	68.11, 50.12, -48.83
CIE LCh	68, 69.978, 315.746
Yxy	38.1191, 0.2802, 0.1999
Android (android.graphics.Color)	4292052735 (0xFFD386FF)
YUV	170.8170, 41.5022, 35.2405
Hunter-Lab	61.7407, 46.4312, -51.9865

Details

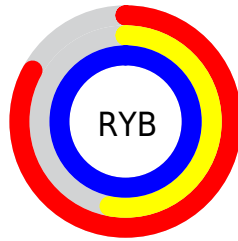
The Yxy color **38.1191, 0.2802, 0.1999** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **82.7049, 0.3309, 0.4684**, and the grayscale version is **40.4152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **16.8321, 0.2684, 0.1708** is the 20% darker color. If you saturate the color by 10%, you get **30.5693, 0.2708, 0.1734**, and if you desaturate by 10%, it is **47.4502, 0.2888, 0.2279**.

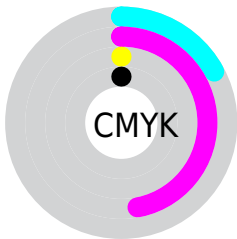
Distribution



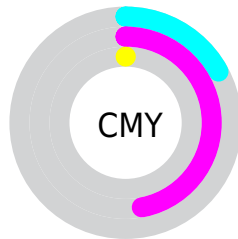
- Red (83%)
- Green (53%)
- Blue (100%)



- Red (83%)
- Yellow (53%)
- Blue (100%)



- Cyan (17%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1191, 0.2802, 0.1999 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 38.1191, 0.2802, 0.1999 by changing the saturation by 10% instead.


 38.1191, 0.2802,
0.1999


 38.1191, 0.2802,
0.1999


338.1306, 0.2985,
0.2587

 26.0751, 0.2753,
0.1870


 72.2907, 0.2872,
0.2199

 16.8799, 0.2688,
0.1715


 95.1870, 0.2897,
0.2278

 10.1489, 0.2600,
0.1526


 122.4697, 0.2918,
0.2347

 5.4978, 0.2478,
0.1292

154.5230, 0.2936,
0.2407

 2.5422, 0.2299,
0.1003

191.7313, 0.2951,
0.2460

 0.8977, 0.2024,
0.0654

234.4791, 0.2964,


 0.0000, 0.1630,


0.2507


0.0000


283.1507, 0.2975,
0.2549

 0.0000, 0.0000,
0.0000


 38.1191, 0.2802,
0.1999


 38.1191, 0.2802,
0.1999

 30.5693, 0.2708,
0.1734


 47.4502, 0.2888,
0.2279


 24.6706, 0.2609,
0.1497


 58.6710, 0.2966,
0.2563

 20.2822, 0.2509,
0.1302


 71.8866, 0.3033,
0.2841

 17.2365, 0.2411,
0.1155

 87.1929, 0.3090,
0.3105

 15.3157, 0.2319,
0.1059

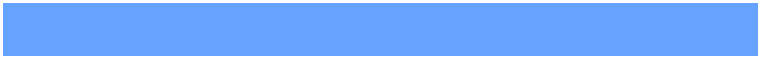
99.9994, 0.3127,
0.3290

 14.9225, 0.2297,
0.1039

Harmonies

Analogous

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



38.1191, 0.2004, 0.1809



38.1191, 0.2802, 0.1999



38.1191, 0.3864, 0.2430

Triad

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



38.1191, 0.2802, 0.1999



38.1191, 0.4841, 0.4431



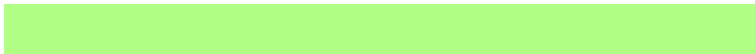
38.1191, 0.1661, 0.3238

Complementary

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



38.1191, 0.2802, 0.1999



82.7049, 0.3309, 0.4684

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.



38.1191, 0.2264, 0.4433



38.1191, 0.2802, 0.1999



38.1191, 0.4093, 0.5061

Square

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



38.1191, 0.2802, 0.1999



38.1191, 0.5155, 0.3712



38.1191, 0.3158, 0.5192



38.1191, 0.1443, 0.2343

Rectangle

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



38.1191, 0.2802, 0.1999



38.1191, 0.4537, 0.2818



38.1191, 0.3158, 0.5192



38.1191, 0.1819, 0.3629

Sweetspot

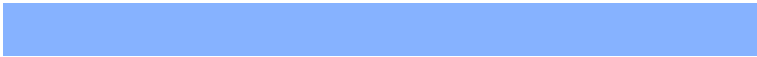
The Sweet Spot groups the original color and five complimentary colors.



38.1207, 0.2802, 0.1999



76.9187, 0.3054, 0.2933



44.2805, 0.2322, 0.2343



15.7829, 0.3041, 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.



38.1207, 0.2802, 0.1999



30.8687, 0.2712, 0.1745



44.5381, 0.3323, 0.2266



17.9506, 0.3079, 0.3052



7.8855, 0.2311, 0.1047



0.8296, 0.2413, 0.1103

Inverse Universe

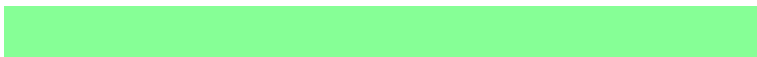
The Inverse Universe completely reimagines the original color for something new.



41.5303, 0.3947, 0.2836



34.9643, 0.4211, 0.2760



78.7906, 0.2983, 0.4599



18.0963, 0.3237, 0.3204



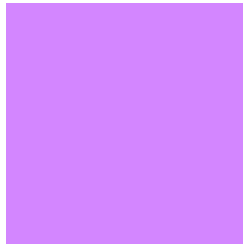
11.5458, 0.5529, 0.2820



1.1443, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 38.1191, 0.2802, 0.1999 looks on a white background.

Color Contrast Check

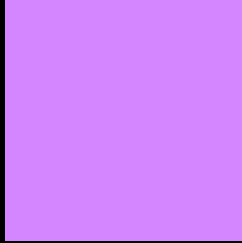
Large Text (above 18pt) WCAG AA × Fail

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 38.1191, 0.2802, 0.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

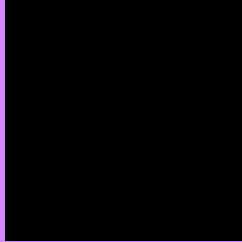
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1191, 0.2802, 0.1999

Background



This preview shows how black text looks on a background with the Yxy color 38.1191, 0.2802, 0.1999.



This preview shows how white text looks on a background with the Yxy color 38.1191, 0.2802, 0.1999.

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

38.1191, 0.2802, 0.1999

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.3390, 0.2284, 0.2219



Tritanopia

38.1030, 0.3433, 0.3135

Trichromacy



Original Color

38.1191, 0.2802, 0.1999



Protanomaly

37.2535, 0.2434, 0.2062



Deuteranomaly

37.3453, 0.2439, 0.2114

Tritanomaly

37.5475, 0.3186, 0.2653

Monochromacy



Original Color

38.1191, 0.2802, 0.1999



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.1571, 0.3007, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1191, 0.2802, 0.1999 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(211, 134, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 134, 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(211, 134, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 134, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1191, 0.2802, 0.1999 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(211, 134, 255) }
```

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

```
.border{ border-color:rgb(211, 134, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 134, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 134, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 134, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 134,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1191, 0.2802, 0.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 134, 255) }
```

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

```
.background{ background-color: rgb(211,  
134, 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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