

Converting Colors

$Y_{xy}(38.9382, 0.2878, 0.2008)$

Have a look what the booklet for
Yxy(38.9382, 0.2878, 0.2008)
contains.

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Color

Yxy(38.9382, 0.2878, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	DC84FF
RGB	220, 132, 255
RGB Percent	86%, 52%, 100%
CMY	0.1373, 0.4823, 0.0001
CMYK	0.14, 0.48, 0.00, 0.00
HSL	283°, 100%, 76%
HSV	283°, 48%, 100%
XYZ	55.8088, 38.9382, 99.1683
YIQ	172.3340, 12.9650, 56.9090

Conversions

Conversions Part 2

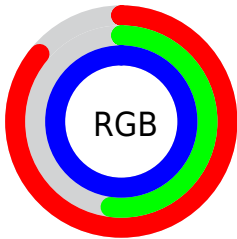
Format	Color
R _Y B	220, 132, 255
Decimal	14451967
CIE Lab	68.71, 53.57, -47.82
CIE LCh	69, 71.812, 318.248
Yxy	38.9382, 0.2878, 0.2008
Android (android.graphics.Color)	4292642047 (0xFFDC84FF)
YUV	172.3340, 40.7543, 41.8031
Hunter-Lab	62.4005, 50.4434, -50.5447

Details

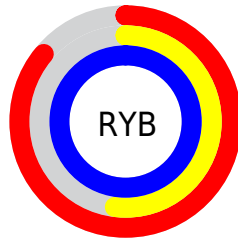
The Yxy color **38.9382, 0.2878, 0.2008** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.3953, 0.3250, 0.4736**, and the grayscale version is **41.2196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **17.4557, 0.2785, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **31.7395, 0.2806, 0.1759**, and if you desaturate by 10%, it is **47.8791, 0.2944, 0.2276**.

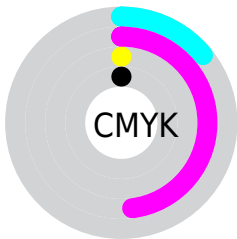
Distribution



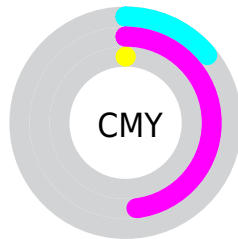
- Red (86%)
- Green (52%)
- Blue (100%)



- Red (86%)
- Yellow (52%)
- Blue (100%)



- Cyan (14%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (14%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9382, 0.2878, 0.2008 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 38.9382, 0.2878, 0.2008 by changing the saturation by 10% instead.

 38.9382, 0.2878,
0.2008

 38.9382, 0.2878,
0.2008


341.6277, 0.3024,
0.2589


 26.7117, 0.2837,
0.1881


 73.5439, 0.2935,
0.2205

 17.3568, 0.2783,
0.1729


 96.6918, 0.2955,
0.2284

 10.4892, 0.2710,
0.1542

 124.2490, 0.2972,
0.2351

 5.7245, 0.2605,
0.1313

156.5999, 0.2986,
0.2411

 2.6783, 0.2449,
0.1029

194.1288, 0.2998,
0.2463

 0.9662, 0.2205,
0.0683

237.2201, 0.3008,

 0.0000, 0.1858,

0.2510

0.0000

286.2583, 0.3017,
0.2552

■ 0.0000, 0.0478,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9382, 0.2878,
0.2008

■ 38.9382, 0.2878,
0.2008

■ 31.7395, 0.2806,
0.1759

■ 47.8791, 0.2944,
0.2276

■ 26.1522, 0.2729,
0.1542

■ 58.6706, 0.3003,
0.2551

■ 22.0347, 0.2650,
0.1365

■ 71.4177, 0.3054,
0.2823

■ 19.2177, 0.2573,
0.1237

■ 86.2164, 0.3097,
0.3085

■ 17.4684, 0.2499,
0.1155

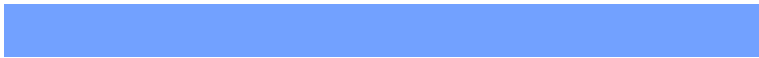
99.9990, 0.3127,
0.3290

■ 17.2118, 0.2486,
0.1143

Harmonies

Analogous

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



38.9382, 0.2040, 0.1794



38.9382, 0.2878, 0.2008



38.9382, 0.3969, 0.2462

Triad

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



38.9382, 0.2878, 0.2008



38.9382, 0.4814, 0.4502



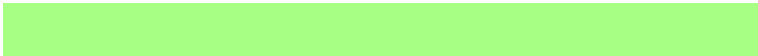
38.9382, 0.1605, 0.3140

Complementary

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



38.9382, 0.2878, 0.2008



81.3953, 0.3250, 0.4736

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.



38.9382, 0.2181, 0.4360



38.9382, 0.2878, 0.2008



38.9382, 0.4027, 0.5127

Square

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



38.9382, 0.2878, 0.2008



38.9382, 0.5186, 0.3772



38.9382, 0.3073, 0.5204



38.9382, 0.1416, 0.2271

Rectangle

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



38.9382, 0.2878, 0.2008



38.9382, 0.4637, 0.2861



38.9382, 0.3073, 0.5204



38.9382, 0.1753, 0.3531

Sweetspot

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



38.9398, 0.2878, 0.2008



77.4228, 0.3073, 0.2935



40.4692, 0.2288, 0.2219



15.9062, 0.3064, 0.2878



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.



38.9398, 0.2878, 0.2008



31.8865, 0.2807, 0.1765



43.5009, 0.3404, 0.2320



18.0253, 0.3092, 0.3052



9.0743, 0.2498, 0.1150



0.9389, 0.2581, 0.1196

Inverse Universe

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



40.5568, 0.4079, 0.2929



33.9728, 0.4393, 0.2873



78.8386, 0.2943, 0.4520



18.0721, 0.3249, 0.3223



11.3794, 0.5822, 0.2981



1.1258, 0.5502, 0.2805

Previews

White Background



This preview shows how the Yxy color 38.9382, 0.2878, 0.2008 looks on a white background.

Color Contrast Check

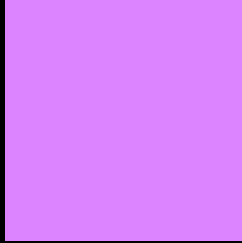
Large Text (above 18pt) WCAG AA × Fail

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 38.9382, 0.2878, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

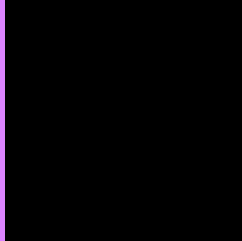
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9382, 0.2878, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 38.9382, 0.2878, 0.2008.



This preview shows how white text looks on a background with the Yxy color 38.9382, 0.2878, 0.2008.

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

38.9382, 0.2878, 0.2008

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

39.4013, 0.2322, 0.2263



Tritanopia

38.7645, 0.3557, 0.3140

Trichromacy



Original Color

38.9382, 0.2878, 0.2008



Protanomaly

38.1095, 0.2470, 0.2084



Deuteranomaly

38.0756, 0.2488, 0.2129

Tritanomaly

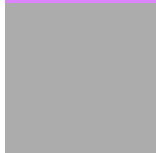
38.3251, 0.3294, 0.2659

Monochromacy



Original Color

38.9382, 0.2878, 0.2008



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.1970, 0.3034, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9382, 0.2878, 0.2008 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(220, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 132, 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(220, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 132, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.9382, 0.2878, 0.2008 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(220, 132, 255) }
```

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

```
.border{ border-color:rgb(220, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 132,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9382, 0.2878, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 132, 255) }
```

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

```
.background{ background-color: rgb(220,  
132, 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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