

Converting Colors

$Y_{xy}(37.8645, 0.2882, 0.1969)$

Have a look what the booklet for
Yxy(37.8645, 0.2882, 0.1969)
contains.

Yxy(38.0305, 0.2886, 0.1974)	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(38.0305, 0.2886, 0.1974)

Conversions

Conversions Part 1

Format	Color
Hex	DD80FF
RGB	221, 128, 255
RGB Percent	87%, 50%, 100%
CMY	0.1331, 0.4982, 0.0000
CMYK	0.13, 0.50, 0.00, 0.00
HSL	284°, 100%, 75%
HSV	284°, 50%, 100%
XYZ	55.6008, 38.0305, 99.0257
YIQ	170.2850, 14.6610, 59.2130

Conversions

Conversions Part 2

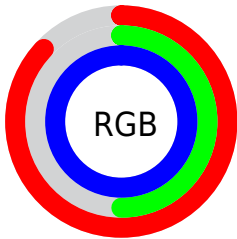
Format	Color
R _Y B	221, 128, 255
Decimal	14516479
CIE Lab	68.04, 55.91, -48.87
CIE LCh	68, 74.261, 318.845
Yxy	38.0305, 0.2886, 0.1974
Android (android.graphics.Color)	4292706559 (0xFFDD80FF)
YUV	170.2850, 41.7645, 44.4771
Hunter-Lab	61.6689, 53.0155, -52.0376

Details

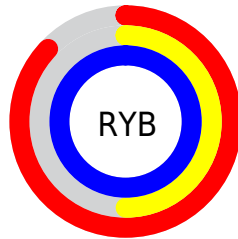
The Yxy color **38.0305, 0.2886, 0.1974** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **80.7505, 0.3238, 0.4795**, and the grayscale version is **40.1292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **16.7613, 0.2783, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **31.1478, 0.2818, 0.1733**, and if you desaturate by 10%, it is **46.6295, 0.2949, 0.2237**.

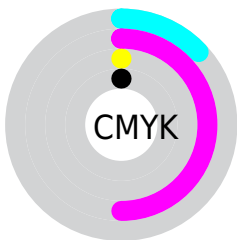
Distribution



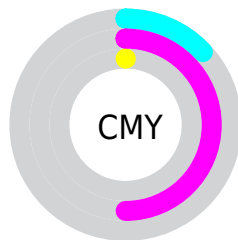
- Red (87%)
- Green (50%)
- Blue (100%)



- Red (87%)
- Yellow (50%)
- Blue (100%)



- Cyan (13%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0305, 0.2886, 0.1974 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 38.0305, 0.2886, 0.1974 by changing the saturation by 10% instead.


 38.0305, 0.2886,
0.1974


 38.0305, 0.2886,
0.1974


337.7508, 0.3030,
0.2570


 26.0064, 0.2845,
0.1844


 72.1549, 0.2942,
0.2176

 16.8284, 0.2791,
0.1689


 95.0239, 0.2963,
0.2256

 10.1122, 0.2717,
0.1499


 122.2767, 0.2979,
0.2326

 5.4734, 0.2611,
0.1266

154.2976, 0.2993,
0.2387

 2.5276, 0.2453,
0.0980

191.4711, 0.3004,
0.2441

 0.8904, 0.2205,
0.0636

234.1816, 0.3014,

 0.0000, 0.1843,

0.2488

0.0000

282.8133, 0.3023,
0.2531

■ 0.0000, 0.0431,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0305, 0.2886,
0.1974

■ 38.0305, 0.2886,
0.1974

■ 31.1478, 0.2818,
0.1733

■ 46.6295, 0.2949,
0.2237

■ 25.8504, 0.2746,
0.1525

■ 57.0569, 0.3004,
0.2509

■ 21.9927, 0.2672,
0.1359

■ 69.4184, 0.3053,
0.2781

■ 19.3999, 0.2600,
0.1242

■ 83.8110, 0.3094,
0.3045

■ 17.7927, 0.2530,
0.1168

100.0000, 0.3127,
0.3290

■ 17.7666, 0.2529,
0.1167

Harmonies

Analogous

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



38.0305, 0.2015, 0.1749



38.0305, 0.2886, 0.1974



38.0305, 0.4024, 0.2443

Triad

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



38.0305, 0.2886, 0.1974



38.0305, 0.4851, 0.4541



38.0305, 0.1545, 0.3104

Complementary

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



38.0305, 0.2886, 0.1974



80.7505, 0.3238, 0.4795

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.



38.0305, 0.2125, 0.4385



38.0305, 0.2886, 0.1974



38.0305, 0.4025, 0.5201

Square

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



38.0305, 0.2886, 0.1974



38.0305, 0.5260, 0.3786



38.0305, 0.3038, 0.5286



38.0305, 0.1363, 0.2216

Rectangle

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



38.0305, 0.2886, 0.1974



38.0305, 0.4717, 0.2854



38.0305, 0.3038, 0.5286



38.0305, 0.1692, 0.3510

Sweetspot

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



38.0314, 0.2886, 0.1974



76.0896, 0.3073, 0.2909



38.3445, 0.2254, 0.2149



15.6486, 0.3065, 0.2854



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.



38.0314, 0.2886, 0.1974



31.0360, 0.2816, 0.1729



42.2633, 0.3436, 0.2309



18.0419, 0.3095, 0.3053



9.3604, 0.2540, 0.1173



0.9649, 0.2619, 0.1216

Inverse Universe

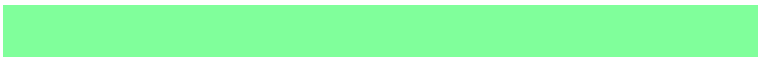
The Inverse Universe completely reimagines the original color for something new.



39.2965, 0.4153, 0.2942



32.7425, 0.4498, 0.2891



78.4902, 0.2929, 0.4542



18.0668, 0.3252, 0.3227



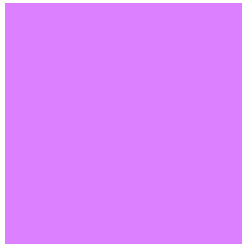
11.3488, 0.5880, 0.3013



1.1222, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 38.0305, 0.2886, 0.1974 looks on a white background.

Color Contrast Check

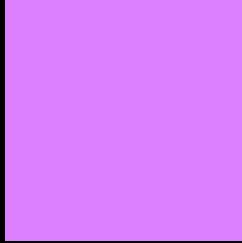
Large Text (above 18pt) WCAG AA × Fail

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 38.0305, 0.2886, 0.1974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

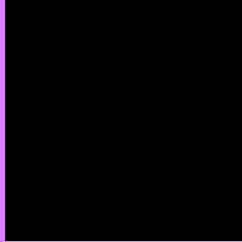
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0305, 0.2886, 0.1974

Background



This preview shows how black text looks on a background with the Yxy color 38.0305, 0.2886, 0.1974.



This preview shows how white text looks on a background with the Yxy color 38.0305, 0.2886, 0.1974.

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

38.0305, 0.2886, 0.1974

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.3547, 0.2295, 0.2231



Tritanopia

37.6867, 0.3596, 0.3140

Trichromacy



Original Color

38.0305, 0.2886, 0.1974



Protanomaly

36.9252, 0.2451, 0.2045



Deuteranomaly

37.1029, 0.2463, 0.2099

Tritanomaly

37.3286, 0.3316, 0.2646

Monochromacy



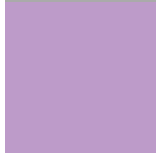
Original Color

38.0305, 0.2886, 0.1974



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.4786, 0.3043, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0305, 0.2886, 0.1974 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(221, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 128, 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(221, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.0305, 0.2886, 0.1974 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(221, 128, 255) }
```

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

```
.border{ border-color:rgb(221, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 128, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 128, 255); box-shadow:4px 4px 4px 4px rgb(221, 128, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0305, 0.2886, 0.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 128, 255) }
```

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

```
.background{ background-color: rgb(221,  
128, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor