

Converting Colors

$Y_{xy}(42.0329, 0.2783, 0.1971)$

Have a look what the booklet for
Yxy(42.0329, 0.2783, 0.1971)
contains.

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Color

Yxy(40.9009, 0.2880, 0.2074)

Conversions

Conversions Part 1

Format	Color
Hex	DC8BFF
RGB	220, 139, 255
RGB Percent	86%, 55%, 100%
CMY	0.1373, 0.4549, 0.0000
CMYK	0.14, 0.45, 0.00, 0.00
HSL	282°, 100%, 77%
HSV	282°, 45%, 100%
XYZ	56.7958, 40.9009, 99.5111
YIQ	176.4430, 11.0400, 53.2480

Conversions

Conversions Part 2

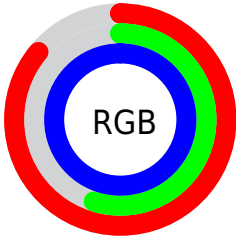
Format	Color
R _Y B	220, 139, 255
Decimal	14453759
CIE Lab	70.11, 49.99, -45.63
CIE LCh	70, 67.687, 317.614
Yxy	40.9009, 0.2880, 0.2074
Android (android.graphics.Color)	4292643839 (0xFFDC8BFF)
YUV	176.4430, 38.7286, 38.1995
Hunter-Lab	63.9538, 46.6024, -47.4866

Details

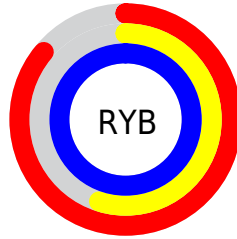
The Yxy color $40.9009, 0.2880, 0.2074$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $82.3850, 0.3260, 0.4640$, and the grayscale version is $43.4500, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.0636, 0.3155, 0.2693$, and $18.5193, 0.2789, 0.1804$ is the 20% darker color. If you saturate the color by 10%, you get $33.1853, 0.2804, 0.1816$, and if you desaturate by 10%, it is $50.3967, 0.2949, 0.2347$.

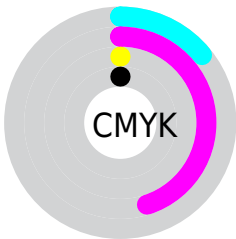
Distribution



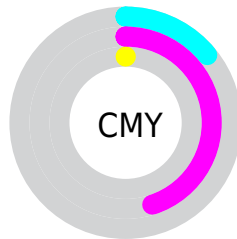
- Red (86%)
- Green (55%)
- Blue (100%)



- Red (86%)
- Yellow (55%)
- Blue (100%)



- Cyan (14%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9009, 0.2880, 0.2074 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 40.9009, 0.2880, 0.2074 by changing the saturation by 10% instead.


 40.9009, 0.2880,
0.2074


 40.9009, 0.2880,
0.2074


349.9063, 0.3022,
0.2626

 28.2417, 0.2841,
0.1953


 76.5334, 0.2935,
0.2262

 18.5079, 0.2790,
0.1807


 100.2755, 0.2954,
0.2336

 11.3152, 0.2720,
0.1628


 128.4807, 0.2971,
0.2400

 6.2793, 0.2621,
0.1407

161.5333, 0.2984,
0.2457

 3.0156, 0.2475,
0.1129

199.8178, 0.2996,
0.2507

 1.1399, 0.2245,
0.0784

243.7185, 0.3006,

 0.0118, 0.1936,

0.2551

0.0018

293.6198, 0.3015,
0.2590

■ 0.0000, 0.0693,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9009, 0.2880,
0.2074

■ 40.9009, 0.2880,
0.2074

■ 33.1853, 0.2804,
0.1816

■ 50.3967, 0.2949,
0.2347

■ 27.1232, 0.2724,
0.1585

■ 61.7787, 0.3010,
0.2624

■ 22.5782, 0.2641,
0.1393

■ 75.1499, 0.3062,
0.2895

■ 19.3890, 0.2558,
0.1248

■ 90.6041, 0.3106,
0.3155

■ 17.3568, 0.2479,
0.1152

100.0000, 0.3127,
0.3290

■ 16.6893, 0.2444,
0.1120

Harmonies

Analogous

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



40.9009, 0.2095, 0.1876



40.9009, 0.2880, 0.2074



40.9009, 0.3891, 0.2503

Triad

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



40.9009, 0.2880, 0.2074



40.9009, 0.4735, 0.4440



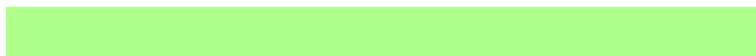
40.9009, 0.1707, 0.3184

Complementary

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



40.9009, 0.2880, 0.2074



82.3850, 0.3260, 0.4640

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.



40.9009, 0.2267, 0.4297



40.9009, 0.2880, 0.2074



40.9009, 0.4011, 0.5004

Square

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



40.9009, 0.2880, 0.2074



40.9009, 0.5053, 0.3754



40.9009, 0.3114, 0.5057



40.9009, 0.1512, 0.2357

Rectangle

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



40.9009, 0.2880, 0.2074



40.9009, 0.4512, 0.2884



40.9009, 0.3114, 0.5057



40.9009, 0.1853, 0.3545

Sweetspot

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



40.9024, 0.2880, 0.2074



77.3131, 0.3069, 0.2935



43.6585, 0.2343, 0.2316



15.8793, 0.3059, 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.



40.9024, 0.2880, 0.2074



33.5214, 0.2808, 0.1828



45.6533, 0.3366, 0.2354



18.0091, 0.3089, 0.3052



8.8022, 0.2456, 0.1127



0.9141, 0.2544, 0.1175

Inverse Universe

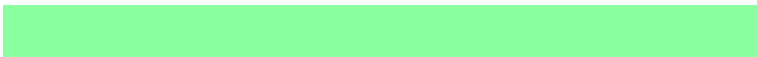
The Inverse Universe completely reimagines the original color for something new.



42.7846, 0.3976, 0.2927



35.9016, 0.4262, 0.2863



79.5575, 0.2960, 0.4462



18.0773, 0.3247, 0.3218



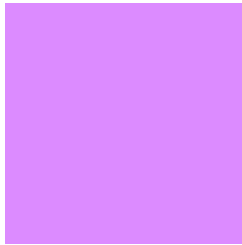
11.4115, 0.5762, 0.2948



1.1295, 0.5442, 0.2772

Previews

White Background



This preview shows how the Yxy color 40.9009, 0.2880, 0.2074 looks on a white background.

Color Contrast Check

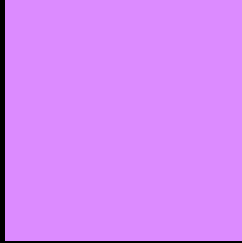
Large Text (above 18pt) WCAG AA × Fail

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 40.9009, 0.2880, 0.2074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

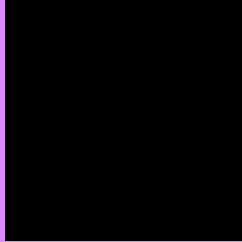
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9009, 0.2880, 0.2074

Background



This preview shows how black text looks on a background with the Yxy color 40.9009, 0.2880, 0.2074.



This preview shows how white text looks on a background with the Yxy color 40.9009, 0.2880, 0.2074.

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

40.9009, 0.2880, 0.2074

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.1645, 0.2365, 0.2302



Tritanopia

40.6594, 0.3487, 0.3129

Trichromacy



Original Color

40.9009, 0.2880, 0.2074



Protanomaly

40.2198, 0.2506, 0.2151



Deuteranomaly

40.1963, 0.2524, 0.2197

Tritanomaly

40.3945, 0.3251, 0.2686

Monochromacy



Original Color

40.9009, 0.2880, 0.2074



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.8086, 0.3035, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9009, 0.2880, 0.2074 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, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.9009, 0.2880, 0.2074 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, 139, 255) }
```

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

```
.border{ border-color:rgb(220, 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(220, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 139, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 139, 255); box-shadow:4px 4px 4px 4px rgb(220, 139, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9009, 0.2880, 0.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 139, 255) }
```

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

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