

Converting Colors

$Y_{xy}(40.9383, 0.2889, 0.2212)$

Have a look what the booklet for
Yxy(40.9383, 0.2889, 0.2212)
contains.

Yxy(40.9383, 0.2889, 0.2212)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9383, 0.2889, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	D392F4
RGB	211, 146, 244
RGB Percent	83%, 57%, 96%
CMY	0.1726, 0.4274, 0.0432
CMYK	0.14, 0.40, 0.00, 0.04
HSL	280°, 82%, 76%
HSV	280°, 40%, 96%
XYZ	53.4678, 40.9383, 90.6676
YIQ	176.6070, 7.2820, 44.2580

Conversions

Conversions Part 2

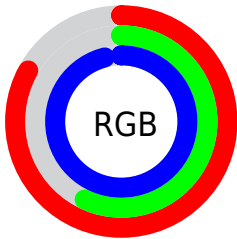
Format	Color
R _Y B	211, 146, 244
Decimal	13865716
CIE Lab	70.13, 41.49, -39.66
CIE LCh	70, 57.393, 316.295
Yxy	40.9383, 0.2889, 0.2212
Android (android.graphics.Color)	4292055796 (0xFFD392F4)
YUV	176.6070, 33.2247, 30.1627
Hunter-Lab	63.9830, 37.1942, -39.2292

Details

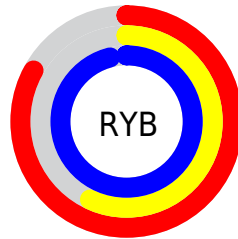
The Yxy color **40.9383, 0.2889, 0.2212** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **76.3609, 0.3274, 0.4453**, and the grayscale version is **43.5707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2533, 0.3152, 0.2762**, and **18.5618, 0.2811, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **33.0194, 0.2808, 0.1939**, and if you desaturate by 10%, it is **50.5279, 0.2962, 0.2492**.

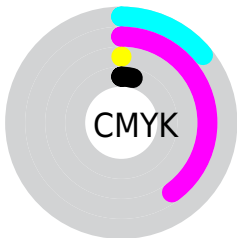
Distribution



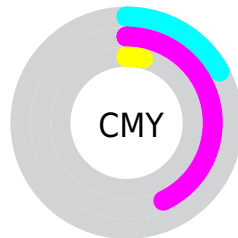
- Red (83%)
- Green (57%)
- Blue (96%)



- Red (83%)
- Yellow (57%)
- Blue (96%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)




- Cyan (17%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9383, 0.2889, 0.2212 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 40.9383, 0.2889, 0.2212 by changing the saturation by 10% instead.


 40.9383, 0.2889,
0.2212

 40.9383, 0.2889,
0.2212


350.0627, 0.3023,
0.2711

 28.2709, 0.2853,
0.2100


 76.5902, 0.2940,
0.2384

 18.5300, 0.2805,
0.1963


 100.3435, 0.2959,
0.2451

 11.3311, 0.2739,
0.1793


128.5609, 0.2974,
0.2510

 6.2900, 0.2646,
0.1577

161.6267, 0.2987,
0.2560

 3.0222, 0.2506,
0.1298

199.9254, 0.2998,
0.2605

 1.1433, 0.2282,
0.0937

243.8414, 0.3007,


 0.0147, 0.1988,


0.2644


0.0028


293.7590, 0.3016,
0.2680

 0.0000, 0.0000,
0.0000


 40.9383, 0.2889,
0.2212


 40.9383, 0.2889,
0.2212

 33.0194, 0.2808,
0.1939


 50.5279, 0.2962,
0.2492

 26.6620, 0.2720,
0.1686


 61.8778, 0.3026,
0.2769


 21.7520, 0.2628,
0.1465

 75.0774, 0.3081,
0.3036

 18.1568, 0.2535,
0.1286

 90.2084, 0.3127,
0.3286

 15.7185, 0.2445,
0.1158

 98.7630, 0.3173,
0.3396

■ 14.1912, 0.2362,
0.1075

■ 99.3114, 0.3191,
0.3396

Harmonies

Analogous

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



40.9383, 0.2210, 0.2047



40.9383, 0.2889, 0.2212



40.9383, 0.3744, 0.2589

Triad

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



40.9383, 0.2889, 0.2212



40.9383, 0.4556, 0.4303



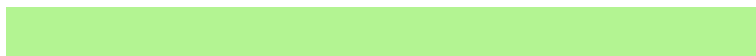
40.9383, 0.1912, 0.3257

Complementary

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



40.9383, 0.2889, 0.2212



76.3609, 0.3274, 0.4453

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.



40.9383, 0.2431, 0.4167



40.9383, 0.2889, 0.2212



40.9383, 0.3956, 0.4755

Square

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



40.9383, 0.2889, 0.2212



40.9383, 0.4780, 0.3709



40.9383, 0.3180, 0.4774



40.9383, 0.1711, 0.2527

Rectangle

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



40.9383, 0.2889, 0.2212



40.9383, 0.4273, 0.2928



40.9383, 0.3180, 0.4774



40.9383, 0.2051, 0.3559

Sweetspot

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



40.9400, 0.2889, 0.2212



80.1035, 0.3071, 0.2987



45.4103, 0.2449, 0.2495



16.7220, 0.3064, 0.2952



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.



40.9400, 0.2889, 0.2212



38.1463, 0.2825, 0.1994



45.4680, 0.3301, 0.2430



16.4724, 0.3084, 0.3053



7.7948, 0.2375, 0.1082



0.7414, 0.2480, 0.1140

Inverse Universe

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



43.0498, 0.3796, 0.2932



40.9753, 0.3999, 0.2865



73.3739, 0.2994, 0.4340



16.5746, 0.3241, 0.3211



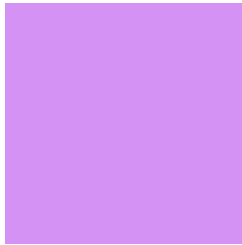
10.8136, 0.5629, 0.2874



0.9688, 0.5278, 0.2681

Previews

White Background



This preview shows how the Yxy color 40.9383, 0.2889, 0.2212 looks on a white background.

Color Contrast Check

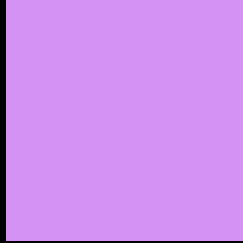
Large Text (above 18pt) WCAG AA × Fail

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 40.9383, 0.2889, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

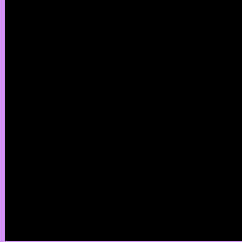
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9383, 0.2889, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 40.9383, 0.2889, 0.2212.



This preview shows how white text looks on a background with the Yxy color 40.9383, 0.2889, 0.2212.

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

40.9383, 0.2889, 0.2212

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.3710, 0.2475, 0.2417



Tritanopia

40.8251, 0.3384, 0.3125

Trichromacy



Original Color

40.9383, 0.2889, 0.2212



Protanomaly

40.6703, 0.2513, 0.2217



Deuteranomaly

40.6113, 0.2609, 0.2322



Tritanomaly

40.7378, 0.3199, 0.2767

Monochromacy



Original Color

40.9383, 0.2889, 0.2212



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.3083, 0.3041, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9383, 0.2889, 0.2212 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, 146, 244)` looks like.

```
.text, #text, p{  
    color:rgb(211, 146, 244)  
}
```

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, 146, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 146, 244) }
```

Border

The CSS property to change the border of an element to Yxy 40.9383, 0.2889, 0.2212 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, 146, 244) }
```

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

```
.border{ border-color:rgb(211, 146, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 146, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 146, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 146, 244);  
box-shadow:4px 4px 4px 4px rgb(211, 146,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9383, 0.2889, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 146, 244) }
```

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

```
.background{ background-color: rgb(211,  
146, 244) }
```

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