

Converting Colors

$Y_{xy}(42.3599, 0.2652, 0.1887)$

Have a look what the booklet for
Yxy(42.3599, 0.2652, 0.1887)
contains.

Yxy(40.7121, 0.2823, 0.2083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7121, 0.2823, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	D58EFF
RGB	213, 142, 255
RGB Percent	84%, 56%, 100%
CMY	0.1645, 0.4432, 0.0000
CMYK	0.16, 0.44, 0.00, 0.00
HSL	278°, 100%, 78%
HSV	278°, 44%, 100%
XYZ	55.1754, 40.7121, 99.5619
YIQ	176.1110, 6.0430, 50.1950

Conversions

Conversions Part 2

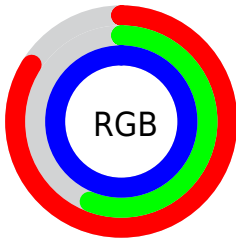
Format	Color
R _Y B	213, 142, 255
Decimal	13995775
CIE Lab	69.97, 46.52, -45.89
CIE LCh	70, 65.348, 315.391
Yxy	40.7121, 0.2823, 0.2083
Android (android.graphics.Color)	4292185855 (0xFFD58EFF)
YUV	176.1110, 38.8923, 32.3517
Hunter-Lab	63.8060, 42.6948, -47.8509

Details

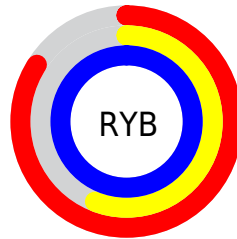
The Yxy color **40.7121, 0.2823, 0.2083** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.6531, 0.3307, 0.4582**, and the grayscale version is **43.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **18.4575, 0.2714, 0.1818** is the 20% darker color. If you saturate the color by 10%, you get **32.6006, 0.2729, 0.1811**, and if you desaturate by 10%, it is **50.6440, 0.2909, 0.2367**.

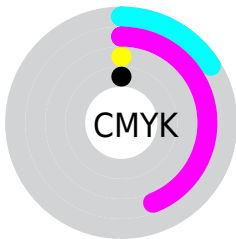
Distribution



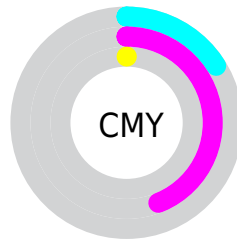
- Red (84%)
- Green (56%)
- Blue (100%)



- Red (84%)
- Yellow (56%)
- Blue (100%)



- Cyan (16%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7121, 0.2823, 0.2083 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 40.7121, 0.2823, 0.2083 by changing the saturation by 10% instead.

 40.7121, 0.2823,
0.2083


 40.7121, 0.2823,
0.2083


349.1159, 0.2992,
0.2633

 28.0942, 0.2778,
0.1962

 76.2467, 0.2887,
0.2271

 18.3967, 0.2719,
0.1816


 99.9321, 0.2910,
0.2345

 11.2352, 0.2640,
0.1636


128.0755, 0.2930,
0.2409

 6.2252, 0.2529,
0.1413

161.0613, 0.2946,
0.2465

 2.9825, 0.2367,
0.1133

199.2738, 0.2960,
0.2515

 1.1226, 0.2117,
0.0785

243.0975, 0.2972,

 0.0000, 0.1781,

0.2558

0.0000

292.9167, 0.2983,
0.2598

0.0000, 0.0323,
0.0000

0.0000, 0.0000,
0.0000

40.7121, 0.2823,
0.2083

40.7121, 0.2823,
0.2083

32.6006, 0.2729,
0.1811

50.6440, 0.2909,
0.2367

26.1844, 0.2630,
0.1562

62.5025, 0.2984,
0.2650

21.3281, 0.2527,
0.1351

76.3898, 0.3050,
0.2924

17.8731, 0.2427,
0.1187

92.3998, 0.3106,
0.3184

■ 15.6256, 0.2331,
0.1075

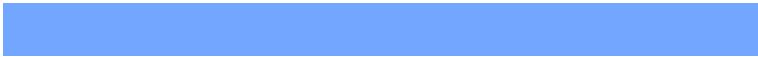
100.0000, 0.3127,
0.3290

■ 14.7311, 0.2280,
0.1030

Harmonies

Analogous

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



40.7121, 0.2080, 0.1908



40.7121, 0.2823, 0.2083



40.7121, 0.3794, 0.2488

Triad

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



40.7121, 0.2823, 0.2083



40.7121, 0.4733, 0.4370



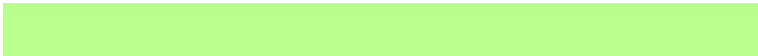
40.7121, 0.1775, 0.3267

Complementary

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



40.7121, 0.2823, 0.2083



83.6531, 0.3307, 0.4582

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.



40.7121, 0.2351, 0.4335



40.7121, 0.2823, 0.2083



40.7121, 0.4055, 0.4926

Square

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



40.7121, 0.2823, 0.2083



40.7121, 0.4995, 0.3703



40.7121, 0.3188, 0.5015



40.7121, 0.1556, 0.2434

Rectangle

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



40.7121, 0.2823, 0.2083



40.7121, 0.4408, 0.2855



40.7121, 0.3188, 0.5015



40.7121, 0.1928, 0.3620

Sweetspot

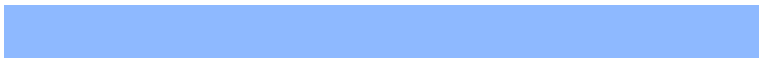
The Sweet Spot groups the original color and five complimentary colors.



40.7134, 0.2823, 0.2083



78.3838, 0.3058, 0.2960



47.7933, 0.2381, 0.2441



16.0696, 0.3045, 0.2901



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.



40.7134, 0.2823, 0.2083



33.5737, 0.2742, 0.1846



46.9988, 0.3291, 0.2312



17.9438, 0.3078, 0.3051



7.7852, 0.2294, 0.1038



0.8203, 0.2398, 0.1095

Inverse Universe

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



44.0566, 0.3860, 0.2856



37.5594, 0.4085, 0.2780



79.6408, 0.3000, 0.4521



18.0986, 0.3236, 0.3202



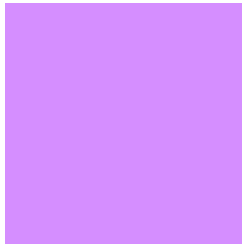
11.5635, 0.5500, 0.2804



1.1462, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 40.7121, 0.2823, 0.2083 looks on a white background.

Color Contrast Check

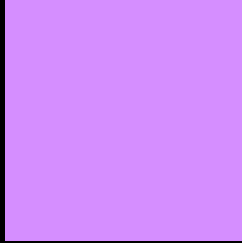
Large Text (above 18pt) WCAG AA × Fail

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 40.7121, 0.2823, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

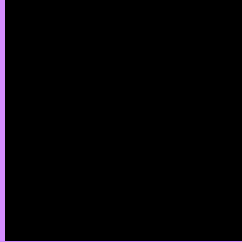
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7121, 0.2823, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 40.7121, 0.2823, 0.2083.



This preview shows how white text looks on a background with the Yxy color 40.7121, 0.2823, 0.2083.

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

40.7121, 0.2823, 0.2083

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.1405, 0.2354, 0.2291



Tritanopia

40.4381, 0.3395, 0.3125

Trichromacy



Original Color

40.7121, 0.2823, 0.2083



Protanomaly

40.2318, 0.2487, 0.2157



Deuteranomaly

40.2769, 0.2498, 0.2194

Tritanomaly

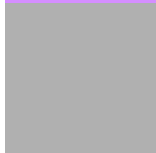
40.0734, 0.3174, 0.2687

Monochromacy



Original Color

40.7121, 0.2823, 0.2083



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.7775, 0.3009, 0.2776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7121, 0.2823, 0.2083 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(213, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 142, 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(213, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7121, 0.2823, 0.2083 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(213, 142, 255) }
```

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

```
.border{ border-color:rgb(213, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7121, 0.2823, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 142, 255) }
```

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

```
.background{ background-color: rgb(213,  
142, 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