

Converting Colors

$Y_{xy}(45.2944, 0.2891, 0.2213)$

Have a look what the booklet for
Yxy(45.2944, 0.2891, 0.2213)
contains.

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Color

Yxy(45.3746, 0.2892, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	DD99FF
RGB	221, 153, 255
RGB Percent	87%, 60%, 100%
CMY	0.1336, 0.3998, 0.0000
CMYK	0.13, 0.40, 0.00, 0.00
HSL	280°, 100%, 80%
HSV	280°, 40%, 100%
XYZ	59.2430, 45.3746, 100.2338
YIQ	184.9600, 7.7860, 46.1380

Conversions

Conversions Part 2

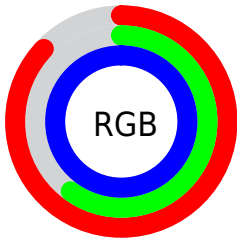
Format	Color
R _Y B	221, 153, 255
Decimal	14522879
CIE Lab	73.14, 42.89, -40.87
CIE LCh	73, 59.247, 316.382
Yxy	45.3746, 0.2892, 0.2215
Android (android.graphics.Color)	4292712959 (0xFFDD99FF)
YUV	184.9600, 34.5297, 31.6071
Hunter-Lab	67.3607, 39.1078, -41.0721

Details

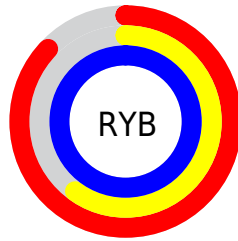
The Yxy color **45.3746, 0.2892, 0.2215** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.3913, 0.3272, 0.4451**, and the grayscale version is **48.2943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **21.0841, 0.2808, 0.1969** is the 20% darker color. If you saturate the color by 10%, you get **36.5970, 0.2811, 0.1942**, and if you desaturate by 10%, it is **56.0072, 0.2964, 0.2495**.

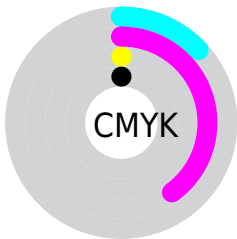
Distribution



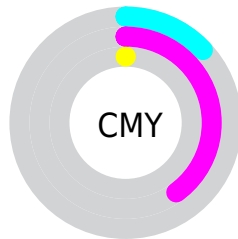
- Red (87%)
- Green (60%)
- Blue (100%)



- Red (87%)
- Yellow (60%)
- Blue (100%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3746, 0.2892, 0.2215 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 45.3746, 0.2892, 0.2215 by changing the saturation by 10% instead.


 45.3746, 0.2892,
0.2215

 45.3746, 0.2892,
0.2215


368.2886, 0.3022,
0.2704

 31.7526, 0.2857,
0.2107


 83.2823, 0.2941,
0.2382

 21.1726, 0.2812,
0.1976


 108.3367, 0.2959,
0.2448

 13.2502, 0.2751,
0.1815


137.9707, 0.2974,
0.2505

 7.6011, 0.2666,
0.1613

172.5687, 0.2987,
0.2554

 3.8408, 0.2540,
0.1354

212.5151, 0.2998,
0.2598

 1.5849, 0.2344,
0.1022

258.1943, 0.3007,

 0.3474, 0.2044,

0.2637

0.0474

309.9907, 0.3015,
0.2672

0.0000, 0.1162,
0.0000

0.0000, 0.0000,
0.0000

45.3746, 0.2892,
0.2215

45.3746, 0.2892,
0.2215

36.5970, 0.2811,
0.1942

56.0072, 0.2964,
0.2495

29.5532, 0.2724,
0.1689

68.5947, 0.3028,
0.2773

24.1162, 0.2633,
0.1467

83.2363, 0.3082,
0.3040

20.1383, 0.2541,
0.1289

99.9993, 0.3127,
0.3290

■ 17.4439, 0.2451,
0.1160

■ 15.7471, 0.2367,
0.1077

■ 15.7444, 0.2367,
0.1077

Harmonies

Analogous

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



45.3746, 0.2214, 0.2050



45.3746, 0.2892, 0.2215



45.3746, 0.3745, 0.2592

Triad

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



45.3746, 0.2892, 0.2215



45.3746, 0.4552, 0.4303



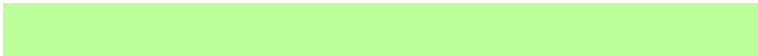
45.3746, 0.1914, 0.3255

Complementary

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



45.3746, 0.2892, 0.2215



84.3913, 0.3272, 0.4451

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.



45.3746, 0.2431, 0.4162



45.3746, 0.2892, 0.2215



45.3746, 0.3953, 0.4752

Square

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



45.3746, 0.2892, 0.2215



45.3746, 0.4776, 0.3710



45.3746, 0.3178, 0.4769



45.3746, 0.1714, 0.2527

Rectangle

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



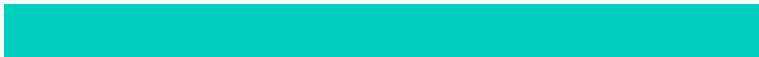
45.3746, 0.2892, 0.2215



45.3746, 0.4272, 0.2930



45.3746, 0.3178, 0.4769



45.3746, 0.2052, 0.3556

Sweetspot

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



45.3765, 0.2892, 0.2215



80.1192, 0.3072, 0.2987



50.2712, 0.2451, 0.2497



16.7257, 0.3065, 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.



45.3765, 0.2892, 0.2215



38.1989, 0.2828, 0.1995



50.3267, 0.3301, 0.2432



17.9786, 0.3084, 0.3052



8.3126, 0.2380, 0.1085



0.8692, 0.2475, 0.1137

Inverse Universe

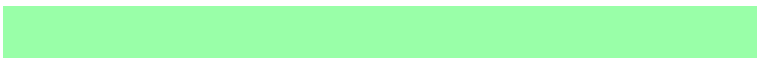
The Inverse Universe completely reimagines the original color for something new.



47.6454, 0.3797, 0.2936



40.9618, 0.4003, 0.2868



81.1290, 0.2994, 0.4337



18.0872, 0.3241, 0.3211



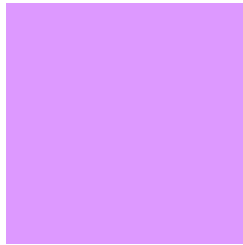
11.4777, 0.5644, 0.2883



1.1369, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 45.3746, 0.2892, 0.2215 looks on a white background.

Color Contrast Check

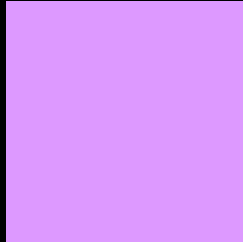
Large Text (above 18pt) WCAG AA × Fail

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 45.3746, 0.2892, 0.2215 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 45.3746, 0.2892, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 45.3746, 0.2892, 0.2215.



This preview shows how white text looks on a background with the Yxy color 45.3746, 0.2892, 0.2215.

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

45.3746, 0.2892, 0.2215

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.8108, 0.2474, 0.2417



Tritanopia

45.4550, 0.3391, 0.3133

Trichromacy



Original Color

45.3746, 0.2892, 0.2215



Protanomaly

44.8090, 0.2583, 0.2286



Deuteranomaly

45.1075, 0.2610, 0.2327

Tritanomaly

45.0940, 0.3197, 0.2755

Monochromacy



Original Color

45.3746, 0.2892, 0.2215



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.5461, 0.3045, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3746, 0.2892, 0.2215 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3746, 0.2892, 0.2215 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, 153, 255) }
```

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

```
.border{ border-color:rgb(221, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3746, 0.2892, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 153, 255) }
```

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

```
.background{ background-color: rgb(221,  
153, 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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