

Converting Colors

$Y_{xy}(45.8810, 0.2881, 0.2306)$

Have a look what the booklet for
Yxy(45.8810, 0.2881, 0.2306)
contains.

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Color

Yxy(45.9320, 0.2881, 0.2312)

Conversions

Conversions Part 1

Format	Color
Hex	D69FF9
RGB	214, 159, 249
RGB Percent	84%, 62%, 98%
CMY	0.1607, 0.3765, 0.0234
CMYK	0.14, 0.36, 0.00, 0.02
HSL	277°, 88%, 80%
HSV	277°, 36%, 98%
XYZ	57.2362, 45.9320, 95.4996
YIQ	185.7050, 3.8900, 39.6500

Conversions

Conversions Part 2

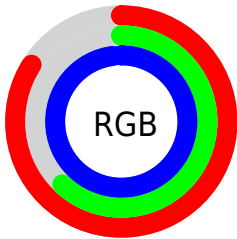
Format	Color
R _Y B	214, 159, 249
Decimal	14065657
CIE Lab	73.50, 36.45, -37.13
CIE LCh	74, 52.030, 314.466
Yxy	45.9320, 0.2881, 0.2312
Android (android.graphics.Color)	4292255737 (0xFFD69FF9)
YUV	185.7050, 31.2044, 24.8147
Hunter-Lab	67.7732, 32.1449, -36.1047

Details

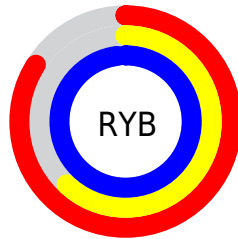
The Yxy color $45.9320, 0.2881, 0.2312$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81.7465, 0.3294, 0.4315$, and the grayscale version is $48.7518, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.5731, 0.3146, 0.2891$, and $21.5903, 0.2804, 0.2097$ is the 20% darker color. If you saturate the color by 10%, you get $36.8007, 0.2789, 0.2027$, and if you desaturate by 10%, it is $56.8789, 0.2963, 0.2598$.

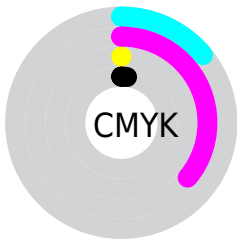
Distribution



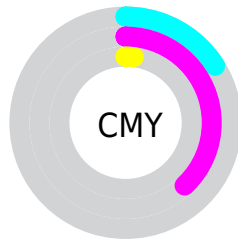
- Red (84%)
- Green (62%)
- Blue (98%)



- Red (84%)
- Yellow (62%)
- Blue (98%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)





- Cyan (16%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9320, 0.2881, 0.2312 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 45.9320, 0.2881, 0.2312 by changing the saturation by 10% instead.

 45.9320, 0.2881,
0.2312


 45.9320, 0.2881,
0.2312


370.5352, 0.3014,
0.2762

 32.1922, 0.2846,
0.2211


 84.1172, 0.2931,
0.2467

 21.5083, 0.2801,
0.2088

 109.3314, 0.2949,
0.2527

 13.4961, 0.2741,
0.1935


139.1391, 0.2964,
0.2580

 7.7710, 0.2656,
0.1741

173.9248, 0.2977,
0.2625

 3.9488, 0.2532,
0.1489

214.0729, 0.2988,
0.2666

 1.6450, 0.2337,
0.1154

259.9677, 0.2998,

 0.3876, 0.2035,

0.2701

0.0593

311.9937, 0.3006,
0.2733

0.0000, 0.0899,
0.0000

0.0000, 0.0000,
0.0000

45.9320, 0.2881,
0.2312

45.9320, 0.2881,
0.2312

36.8007, 0.2789,
0.2027

56.8789, 0.2963,
0.2598

29.3737, 0.2690,
0.1755

69.7328, 0.3034,
0.2875

23.5358, 0.2585,
0.1510

84.5854, 0.3095,
0.3137

19.1548, 0.2478,
0.1303

99.1988, 0.3148,
0.3347

■ 16.0762, 0.2374,
0.1145

■ 99.6217, 0.3162,
0.3347

■ 14.1083, 0.2276,
0.1039

■ 13.5352, 0.2240,
0.1008

Harmonies

Analogous

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



45.9320, 0.2287, 0.2178



45.9320, 0.2881, 0.2312



45.9320, 0.3625, 0.2644

Triad

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



45.9320, 0.2881, 0.2312



45.9320, 0.4419, 0.4180



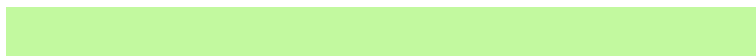
45.9320, 0.2073, 0.3320

Complementary

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



45.9320, 0.2881, 0.2312



81.7465, 0.3294, 0.4315

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.



45.9320, 0.2560, 0.4089



45.9320, 0.2881, 0.2312



45.9320, 0.3916, 0.4566

Square

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



45.9320, 0.2881, 0.2312



45.9320, 0.4574, 0.3653



45.9320, 0.3234, 0.4582



45.9320, 0.1867, 0.2661

Rectangle

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



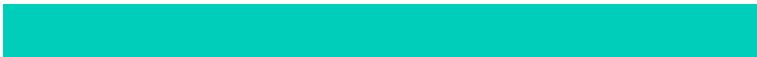
45.9320, 0.2881, 0.2312



45.9320, 0.4090, 0.2947



45.9320, 0.3234, 0.4582



45.9320, 0.2206, 0.3580

Sweetspot

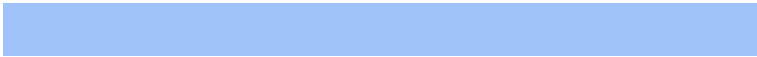
The Sweet Spot groups the original color and five complimentary colors.



45.9339, 0.2881, 0.2312



81.3803, 0.3066, 0.3012



53.2460, 0.2528, 0.2644



16.9668, 0.3058, 0.2976



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.



45.9339, 0.2881, 0.2312



41.6282, 0.2819, 0.2115



51.2327, 0.3243, 0.2472



17.1680, 0.3075, 0.3052



7.3274, 0.2255, 0.1016



0.7398, 0.2367, 0.1078

Inverse Universe

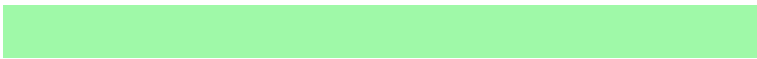
The Inverse Universe completely reimagines the original color for something new.



48.8350, 0.3659, 0.2919



45.2484, 0.3808, 0.2848



77.9701, 0.3029, 0.4275



17.3370, 0.3233, 0.3198



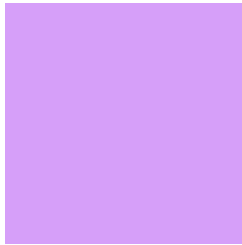
11.2666, 0.5427, 0.2763



1.0636, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 45.9320, 0.2881, 0.2312 looks on a white background.

Color Contrast Check

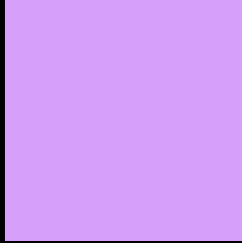
Large Text (above 18pt) WCAG AA × Fail

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 45.9320, 0.2881, 0.2312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

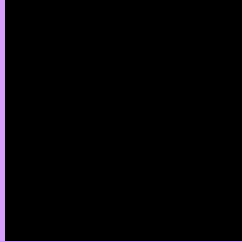
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9320, 0.2881, 0.2312

Background



This preview shows how black text looks on a background with the Yxy color 45.9320, 0.2881, 0.2312.



This preview shows how white text looks on a background with the Yxy color 45.9320, 0.2881, 0.2312.

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

45.9320, 0.2881, 0.2312

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

46.1147, 0.2540, 0.2476



Tritanopia

45.8452, 0.3306, 0.3130

Trichromacy



Original Color

45.9320, 0.2881, 0.2312

Protanomaly

45.5648, 0.2585, 0.2336

Deuteranomaly

45.6034, 0.2656, 0.2410

Tritanomaly

45.6014, 0.3150, 0.2805

Monochromacy



Original Color

45.9320, 0.2881, 0.2312

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.3899, 0.3036, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9320, 0.2881, 0.2312 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(214, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(214, 159, 249)  
}
```

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(214, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 159, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.9320, 0.2881, 0.2312 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(214, 159, 249) }
```

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

```
.border{ border-color:rgb(214, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(214, 159,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9320, 0.2881, 0.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 159, 249) }
```

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

```
.background{ background-color: rgb(214,  
159, 249) }
```

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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