

Converting Colors

$Y_{xy}(46.0024, 0.2893, 0.2259)$

Have a look what the booklet for
Yxy(46.0024, 0.2893, 0.2259)
contains.

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Color

Yxy(45.9289, 0.2892, 0.2257)

Conversions

Conversions Part 1

Format	Color
Hex	DB9CFD
RGB	219, 156, 253
RGB Percent	86%, 61%, 99%
CMY	0.1409, 0.3884, 0.0077
CMYK	0.13, 0.38, 0.00, 0.01
HSL	279°, 96%, 80%
HSV	279°, 38%, 99%
XYZ	58.8509, 45.9289, 98.7156
YIQ	185.8950, 6.4110, 43.5230

Conversions

Conversions Part 2

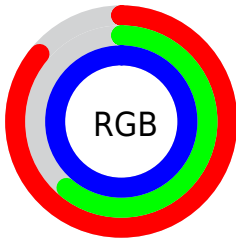
Format	Color
R _Y B	219, 156, 253
Decimal	14392573
CIE Lab	73.50, 40.39, -39.26
CIE LCh	73, 56.327, 315.811
Yxy	45.9289, 0.2892, 0.2257
Android (android.graphics.Color)	4292582653 (0xFFDB9CFD)
YUV	185.8950, 33.0828, 29.0331
Hunter-Lab	67.7709, 36.4068, -38.9227

Details

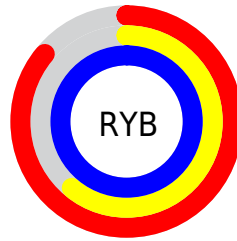
The Yxy color $45.9289, 0.2892, 0.2257$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.6055, 0.3277, 0.4395$, and the grayscale version is $48.8523, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $21.4725, 0.2818, 0.2022$ is the 20% darker color. If you saturate the color by 10%, you get $36.9702, 0.2809, 0.1980$, and if you desaturate by 10%, it is $56.7329, 0.2967, 0.2539$.

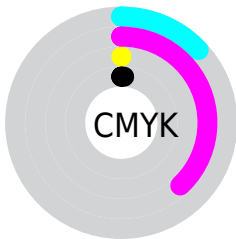
Distribution



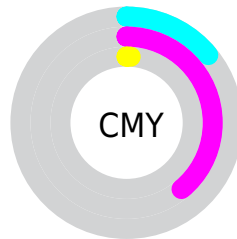
- Red (86%)
- Green (61%)
- Blue (99%)



- Red (86%)
- Yellow (61%)
- Blue (99%)



- Cyan (13%)
- Magenta (38%)
- Yellow (0%)
- Black (1%)




- Cyan (14%)
- Magenta (39%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9289, 0.2892, 0.2257 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 45.9289, 0.2892, 0.2257 by changing the saturation by 10% instead.


 45.9289, 0.2892,
0.2257


 45.9289, 0.2892,
0.2257

370.5227, 0.3021,
0.2728

 32.1897, 0.2858,
0.2152


 84.1126, 0.2941,
0.2418

 21.5065, 0.2814,
0.2025


 109.3259, 0.2958,
0.2482

 13.4947, 0.2754,
0.1868


139.1326, 0.2973,
0.2537

 7.7701, 0.2670,
0.1670

173.9173, 0.2986,
0.2585

 3.9482, 0.2547,
0.1415

214.0643, 0.2996,
0.2627

 1.6446, 0.2355,
0.1083

259.9579, 0.3006,

 0.3874, 0.2057,

0.2665

0.0544

311.9826, 0.3014,
0.2698

0.0000, 0.1141,
0.0000

0.0000, 0.0000,
0.0000

45.9289, 0.2892,
0.2257

45.9289, 0.2892,
0.2257

36.9702, 0.2809,
0.1980

56.7329, 0.2967,
0.2539

29.7392, 0.2718,
0.1719

69.4786, 0.3032,
0.2816

24.1135, 0.2623,
0.1489

84.2626, 0.3088,
0.3081

19.9518, 0.2526,
0.1300

99.7754, 0.3135,
0.3309

■ 17.0870, 0.2432,
0.1160

99.8737, 0.3139,
0.3309

■ 15.2865, 0.2344,
0.1070

■ 15.0405, 0.2330,
0.1057

Harmonies

Analogous

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



45.9289, 0.2247, 0.2103



45.9289, 0.2892, 0.2257



45.9289, 0.3700, 0.2616

Triad

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



45.9289, 0.2892, 0.2257



45.9289, 0.4495, 0.4255



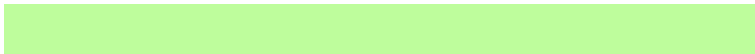
45.9289, 0.1978, 0.3278

Complementary

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



45.9289, 0.2892, 0.2257



83.6055, 0.3277, 0.4395

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.



45.9289, 0.2481, 0.4127



45.9289, 0.2892, 0.2257



45.9289, 0.3934, 0.4675

Square

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



45.9289, 0.2892, 0.2257



45.9289, 0.4692, 0.3691



45.9289, 0.3197, 0.4687



45.9289, 0.1777, 0.2580

Rectangle

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



45.9289, 0.2892, 0.2257



45.9289, 0.4199, 0.2941



45.9289, 0.3197, 0.4687



45.9289, 0.2114, 0.3562

Sweetspot

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



45.9308, 0.2892, 0.2257



80.0325, 0.3068, 0.2987



50.9586, 0.2480, 0.2536



16.7053, 0.3061, 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.



45.9308, 0.2892, 0.2257



39.6016, 0.2829, 0.2044



50.8546, 0.3292, 0.2466



17.9638, 0.3082, 0.3052



8.0833, 0.2343, 0.1065



0.8480, 0.2442, 0.1119

Inverse Universe

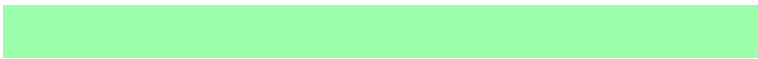
The Inverse Universe completely reimagines the original color for something new.



48.3683, 0.3743, 0.2935



42.5950, 0.3929, 0.2866



80.2559, 0.2999, 0.4287



18.0920, 0.3239, 0.3207



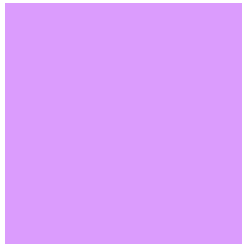
11.5129, 0.5584, 0.2850



1.1407, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 45.9289, 0.2892, 0.2257 looks on a white background.

Color Contrast Check

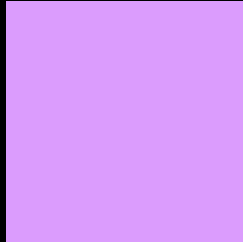
Large Text (above 18pt) WCAG AA × Fail

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 45.9289, 0.2892, 0.2257 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 45.9289, 0.2892, 0.2257

Background



This preview shows how black text looks on a background with the Yxy color 45.9289, 0.2892, 0.2257.



This preview shows how white text looks on a background with the Yxy color 45.9289, 0.2892, 0.2257.

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

45.9289, 0.2892, 0.2257

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

46.0513, 0.2498, 0.2432



Tritanopia

45.9964, 0.3352, 0.3132

Trichromacy



Original Color

45.9289, 0.2892, 0.2257



Protanomaly

45.4889, 0.2592, 0.2318



Deuteranomaly

45.4753, 0.2630, 0.2360

Tritanomaly

45.8729, 0.3177, 0.2787

Monochromacy



Original Color

45.9289, 0.2892, 0.2257



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.3189, 0.3045, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9289, 0.2892, 0.2257 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(219, 156, 253)` looks like.

```
.text, #text, p{  
    color:rgb(219, 156, 253)  
}
```

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(219, 156, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 156, 253) }
```

Border

The CSS property to change the border of an element to Yxy 45.9289, 0.2892, 0.2257 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(219, 156, 253) }
```

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

```
.border{ border-color:rgb(219, 156, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 156, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 156, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 156, 253); box-shadow:4px 4px 4px 4px rgb(219, 156, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9289, 0.2892, 0.2257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 156, 253) }
```

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

```
.background{ background-color: rgb(219,  
156, 253) }
```

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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