

Converting Colors

$Y_{xy}(44.9324, 0.2826, 0.2220)$

Have a look what the booklet for
Yxy(44.9324, 0.2826, 0.2220)
contains.

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Color

Yxy(45.1431, 0.2829, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	D59CFF
RGB	213, 156, 255
RGB Percent	84%, 61%, 100%
CMY	0.1648, 0.3882, 0.0001
CMYK	0.16, 0.39, 0.00, 0.00
HSL	275°, 100%, 81%
HSV	275°, 39%, 100%
XYZ	57.3719, 45.1431, 100.2842
YIQ	184.3290, 2.1930, 42.8730

Conversions

Conversions Part 2

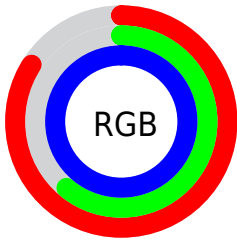
Format	Color
R _Y B	213, 156, 255
Decimal	13999359
CIE Lab	72.99, 39.00, -41.17
CIE LCh	73, 56.708, 313.453
Yxy	45.1431, 0.2829, 0.2226
Android (android.graphics.Color)	4292189439 (0xFFD59CFF)
YUV	184.3290, 34.8408, 25.1445
Hunter-Lab	67.1886, 34.8398, -41.4629

Details

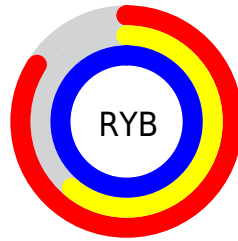
The Yxy color **45.1431, 0.2829, 0.2226** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.9206, 0.3326, 0.4393**, and the grayscale version is **47.9277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **21.1459, 0.2736, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **35.9012, 0.2726, 0.1938**, and if you desaturate by 10%, it is **56.2928, 0.2922, 0.2517**.

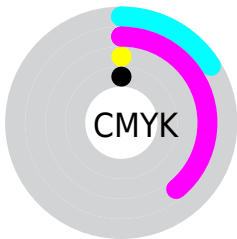
Distribution



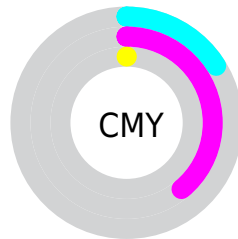
- Red (84%)
- Green (61%)
- Blue (100%)



- Red (84%)
- Yellow (61%)
- Blue (100%)



- Cyan (16%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1431, 0.2829, 0.2226 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 45.1431, 0.2829, 0.2226 by changing the saturation by 10% instead.


 45.1431, 0.2829,
0.2226

 45.1431, 0.2829,
0.2226


367.3528, 0.2989,
0.2712

 31.5702, 0.2788,
0.2118


 82.9351, 0.2888,
0.2392

 21.0334, 0.2734,
0.1987


 107.9230, 0.2910,
0.2458

 13.1484, 0.2663,
0.1826

137.4846, 0.2929,
0.2514

 7.5308, 0.2564,
0.1622

172.0043, 0.2944,
0.2564

 3.7962, 0.2421,
0.1362

211.8666, 0.2958,
0.2608

 1.5602, 0.2202,
0.1025

257.4559, 0.2970,

 0.3306, 0.1872,

0.2646

0.0461

309.1565, 0.2980,
0.2681

0.0000, 0.0796,
0.0000

0.0000, 0.0000,
0.0000

45.1431, 0.2829,
0.2226

45.1431, 0.2829,
0.2226

35.9012, 0.2726,
0.1938

56.2928, 0.2922,
0.2517

28.4460, 0.2615,
0.1665

69.4503, 0.3004,
0.2800

22.6513, 0.2499,
0.1422

84.7148, 0.3074,
0.3069

18.3708, 0.2384,
0.1221

99.9990, 0.3127,
0.3290

■ 15.4318, 0.2274,
0.1071

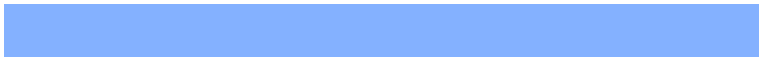
■ 13.5845, 0.2172,
0.0974

■ 13.3996, 0.2160,
0.0964

Harmonies

Analogous

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



45.1431, 0.2197, 0.2089



45.1431, 0.2829, 0.2226



45.1431, 0.3641, 0.2574

Triad

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



45.1431, 0.2829, 0.2226



45.1431, 0.4541, 0.4222



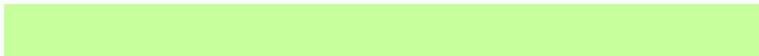
45.1431, 0.1995, 0.3343

Complementary

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



45.1431, 0.2829, 0.2226



85.9206, 0.3326, 0.4393

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.



45.1431, 0.2524, 0.4200



45.1431, 0.2829, 0.2226



45.1431, 0.3995, 0.4669

Square

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



45.1431, 0.2829, 0.2226



45.1431, 0.4706, 0.3647



45.1431, 0.3257, 0.4727



45.1431, 0.1768, 0.2615

Rectangle

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



45.1431, 0.2829, 0.2226



45.1431, 0.4159, 0.2895



45.1431, 0.3257, 0.4727



45.1431, 0.2139, 0.3634

Sweetspot

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



45.1450, 0.2829, 0.2226



79.6259, 0.3053, 0.2985



55.0914, 0.2487, 0.2627



16.6095, 0.3044, 0.2950



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.



45.1450, 0.2829, 0.2226



37.4455, 0.2745, 0.1989



51.8416, 0.3226, 0.2385



17.8939, 0.3070, 0.3051



7.0923, 0.2176, 0.0972



0.7550, 0.2289, 0.1035

Inverse Universe

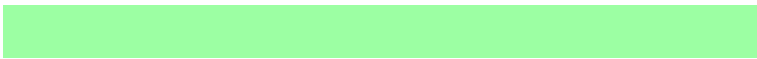
The Inverse Universe completely reimagines the original color for something new.



49.1185, 0.3681, 0.2855



42.1759, 0.3856, 0.2766



81.2109, 0.3039, 0.4403



18.1150, 0.3227, 0.3190



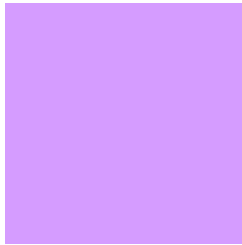
11.7055, 0.5283, 0.2684



1.1610, 0.4991, 0.2523

Previews

White Background



This preview shows how the Yxy color 45.1431, 0.2829, 0.2226 looks on a white background.

Color Contrast Check

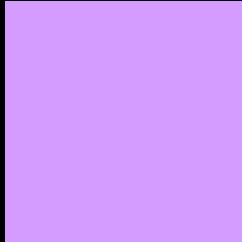
Large Text (above 18pt) WCAG AA × Fail

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 45.1431, 0.2829, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

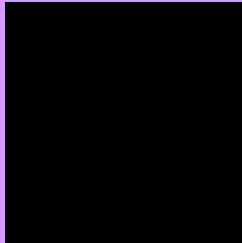
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1431, 0.2829, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 45.1431, 0.2829, 0.2226.



This preview shows how white text looks on a background with the Yxy color 45.1431, 0.2829, 0.2226.

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

45.1431, 0.2829, 0.2226

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3779, 0.2461, 0.2393



Tritanopia

45.1431, 0.3297, 0.3129

Trichromacy



Original Color

45.1431, 0.2829, 0.2226



Protanomaly

44.7099, 0.2557, 0.2290



Deuteranomaly

44.6343, 0.2581, 0.2320



Tritanomaly

45.0474, 0.3116, 0.2768

Monochromacy



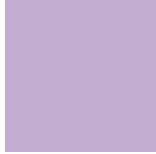
Original Color

45.1431, 0.2829, 0.2226



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.5273, 0.3020, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1431, 0.2829, 0.2226 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 156, 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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1431, 0.2829, 0.2226 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, 156, 255) }
```

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

```
.border{ border-color:rgb(213, 156, 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, 156, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1431, 0.2829, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 156, 255) }
```

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

```
.background{ background-color: rgb(213,  
156, 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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