

Converting Colors

$Y_{xy}(45.6264, 0.2818, 0.2244)$

Have a look what the booklet for
Yxy(45.6264, 0.2818, 0.2244)
contains.

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Color

Yxy(45.5226, 0.2814, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	D39EFF
RGB	211, 158, 255
RGB Percent	83%, 62%, 100%
CMY	0.1726, 0.3803, 0.0000
CMYK	0.17, 0.38, 0.00, 0.00
HSL	273°, 100%, 81%
HSV	273°, 38%, 100%
XYZ	57.1368, 45.5226, 100.3853
YIQ	184.9050, 0.4510, 41.4030

Conversions

Conversions Part 2

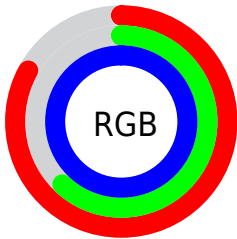
Format	Color
R _Y B	211, 158, 255
Decimal	13868799
CIE Lab	73.23, 37.35, -40.80
CIE LCh	73, 55.317, 312.472
Yxy	45.5226, 0.2814, 0.2242
Android (android.graphics.Color)	4292058879 (0xFFD39EFF)
YUV	184.9050, 34.5568, 22.8853
Hunter-Lab	67.4704, 33.0879, -40.9848

Details

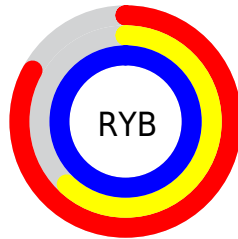
The Yxy color **45.5226, 0.2814, 0.2242** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.5499, 0.3341, 0.4362**, and the grayscale version is **48.2650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **21.3538, 0.2717, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **36.0600, 0.2704, 0.1949**, and if you desaturate by 10%, it is **56.9163, 0.2913, 0.2536**.

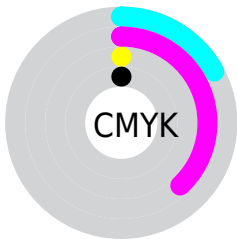
Distribution



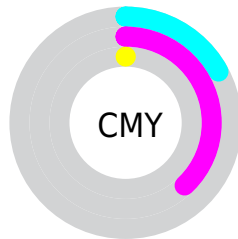
- Red (83%)
- Green (62%)
- Blue (100%)



- Red (83%)
- Yellow (62%)
- Blue (100%)



- Cyan (17%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5226, 0.2814, 0.2242 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 45.5226, 0.2814, 0.2242 by changing the saturation by 10% instead.


 45.5226, 0.2814,
0.2242


 45.5226, 0.2814,
0.2242


368.8860, 0.2980,
0.2721

 31.8693, 0.2771,
0.2136


 83.5041, 0.2876,
0.2406

 21.2617, 0.2716,
0.2006


 108.6010, 0.2898,
0.2471

 13.3154, 0.2643,
0.1846


138.2812, 0.2918,
0.2527

 7.6461, 0.2542,
0.1645

172.9292, 0.2934,
0.2575

 3.8693, 0.2397,
0.1386

212.9292, 0.2948,
0.2618

 1.6007, 0.2175,
0.1050

258.6658, 0.2960,

 0.3581, 0.1840,

0.2657

0.0498

310.5233, 0.2971,
0.2691

0.0000, 0.0745,
0.0000

0.0000, 0.0000,
0.0000

45.5226, 0.2814,
0.2242

45.5226, 0.2814,
0.2242

36.0600, 0.2704,
0.1949

56.9163, 0.2913,
0.2536

28.4085, 0.2586,
0.1669

70.3413, 0.3000,
0.2820

22.4420, 0.2463,
0.1418

85.8969, 0.3075,
0.3089

18.0156, 0.2341,
0.1208

100.0000, 0.3127,
0.3290

■ 14.9582, 0.2224,
0.1050

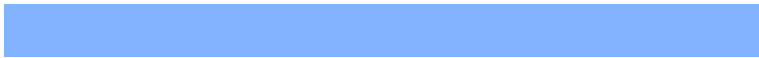
■ 13.0392, 0.2118,
0.0946

■ 12.7320, 0.2098,
0.0929

Harmonies

Analogous

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



45.5226, 0.2204, 0.2115



45.5226, 0.2814, 0.2242



45.5226, 0.3602, 0.2577

Triad

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



45.5226, 0.2814, 0.2242



45.5226, 0.4519, 0.4187



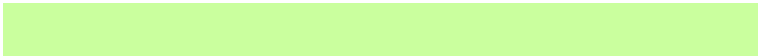
45.5226, 0.2035, 0.3371

Complementary

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



45.5226, 0.2814, 0.2242



86.5499, 0.3341, 0.4362

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.



45.5226, 0.2563, 0.4197



45.5226, 0.2814, 0.2242



45.5226, 0.3999, 0.4625

Square

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



45.5226, 0.2814, 0.2242



45.5226, 0.4662, 0.3625



45.5226, 0.3282, 0.4691



45.5226, 0.1801, 0.2653

Rectangle

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



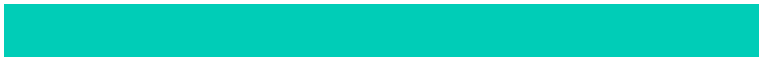
45.5226, 0.2814, 0.2242



45.5226, 0.4108, 0.2889



45.5226, 0.3282, 0.4691



45.5226, 0.2180, 0.3654

Sweetspot

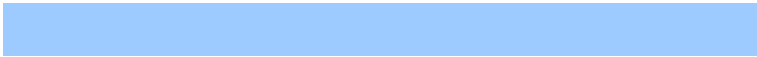
The Sweet Spot groups the original color and five complimentary colors.



45.5242, 0.2814, 0.2242



81.0558, 0.3054, 0.3011



57.3315, 0.2506, 0.2682



16.8893, 0.3044, 0.2975



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.



45.5242, 0.2814, 0.2242



37.8345, 0.2727, 0.2008



52.7316, 0.3197, 0.2375



17.8666, 0.3065, 0.3050



6.7427, 0.2114, 0.0938



0.7215, 0.2231, 0.1003

Inverse Universe

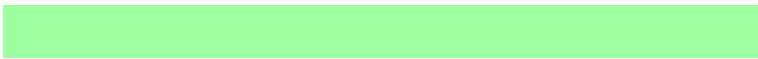
The Inverse Universe completely reimagines the original color for something new.



49.9838, 0.3638, 0.2835



43.1098, 0.3796, 0.2742



81.3723, 0.3056, 0.4416



18.1242, 0.3223, 0.3183



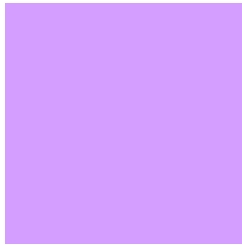
11.7937, 0.5160, 0.2616



1.1700, 0.4881, 0.2463

Previews

White Background



This preview shows how the Yxy color 45.5226, 0.2814, 0.2242 looks on a white background.

Color Contrast Check

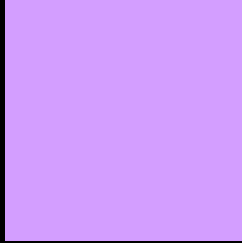
Large Text (above 18pt) WCAG AA × Fail

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 45.5226, 0.2814, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

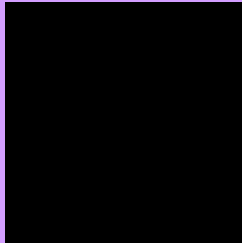
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5226, 0.2814, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 45.5226, 0.2814, 0.2242.



This preview shows how white text looks on a background with the Yxy color 45.5226, 0.2814, 0.2242.

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

45.5226, 0.2814, 0.2242

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.8737, 0.2469, 0.2407



Tritanopia

45.3296, 0.3261, 0.3116

Trichromacy



Original Color

45.5226, 0.2814, 0.2242



Protanomaly

45.4598, 0.2560, 0.2314



Deuteranomaly

45.3842, 0.2584, 0.2344



Tritanomaly

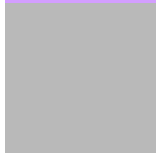
45.1780, 0.3090, 0.2766

Monochromacy



Original Color

45.5226, 0.2814, 0.2242



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.7824, 0.3012, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5226, 0.2814, 0.2242 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(211, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 158, 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(211, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.5226, 0.2814, 0.2242 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(211, 158, 255) }
```

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

```
.border{ border-color:rgb(211, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5226, 0.2814, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 158, 255) }
```

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

```
.background{ background-color: rgb(211,  
158, 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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