

Converting Colors

$Y_{xy}(45.5479, 0.2852, 0.2324)$

Have a look what the booklet for
Yxy(45.5479, 0.2852, 0.2324)
contains.

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Color

Yxy(45.4742, 0.2848, 0.2321)

Conversions

Conversions Part 1

Format	Color
Hex	D1A0F8
RGB	209, 160, 248
RGB Percent	82%, 63%, 97%
CMY	0.1806, 0.3725, 0.0274
CMYK	0.16, 0.35, 0.00, 0.03
HSL	273°, 86%, 80%
HSV	273°, 35%, 97%
XYZ	55.7994, 45.4742, 94.6514
YIQ	184.6830, 0.9560, 37.7560

Conversions

Conversions Part 2

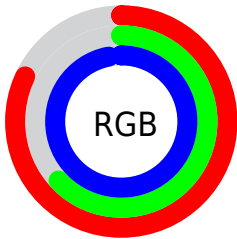
Format	Color
R _{YB}	209, 160, 248
Decimal	13738232
CIE Lab	73.20, 34.17, -37.08
CIE LCh	73, 50.422, 312.662
Yxy	45.4742, 0.2848, 0.2321
Android (android.graphics.Color)	4291928312 (0xFFD1A0F8)
YUV	184.6830, 31.2153, 21.3260
Hunter-Lab	67.4346, 29.6913, -36.0155

Details

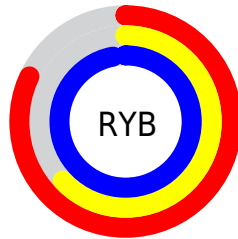
The Yxy color **45.4742, 0.2848, 0.2321** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **81.8334, 0.3323, 0.4284**, and the grayscale version is **48.1535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **21.2590, 0.2760, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **36.1661, 0.2743, 0.2028**, and if you desaturate by 10%, it is **56.6121, 0.2942, 0.2612**.

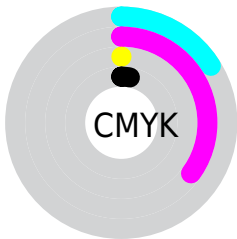
Distribution



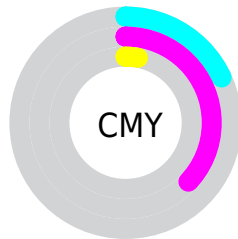
- Red (82%)
- Green (63%)
- Blue (97%)



- Red (82%)
- Yellow (63%)
- Blue (97%)



- Cyan (16%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)




- Cyan (18%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4742, 0.2848, 0.2321 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 45.4742, 0.2848, 0.2321 by changing the saturation by 10% instead.


 45.4742, 0.2848,
0.2321

 45.4742, 0.2848,
0.2321


368.6907, 0.2996,
0.2769

 31.8311, 0.2810,
0.2220


 83.4315, 0.2903,
0.2475

 21.2325, 0.2760,
0.2097


 108.5146, 0.2924,
0.2536

 13.2941, 0.2694,
0.1944


138.1797, 0.2941,
0.2588

 7.6314, 0.2601,
0.1748

172.8113, 0.2955,
0.2633

 3.8600, 0.2467,
0.1494

212.7939, 0.2968,
0.2673

 1.5956, 0.2257,
0.1156

258.5117, 0.2978,

 0.3546, 0.1937,

0.2709

0.0565

310.3491, 0.2988,
0.2740

0.0000, 0.0556,
0.0000

0.0000, 0.0000,
0.0000

45.4742, 0.2848,
0.2321

45.4742, 0.2848,
0.2321

36.1661, 0.2743,
0.2028

56.6121, 0.2942,
0.2612

28.5775, 0.2630,
0.1746

69.6705, 0.3023,
0.2892

22.5945, 0.2510,
0.1488

84.7405, 0.3093,
0.3155

18.0865, 0.2390,
0.1267

99.1787, 0.3155,
0.3357

■ 14.9017, 0.2273,
0.1097

■ 99.5580, 0.3168,
0.3357

■ 12.8529, 0.2166,
0.0981

■ 12.1744, 0.2120,
0.0942

Harmonies

Analogous

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



45.4742, 0.2280, 0.2203



45.4742, 0.2848, 0.2321



45.4742, 0.3569, 0.2636

Triad

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



45.4742, 0.2848, 0.2321



45.4742, 0.4407, 0.4133



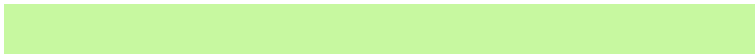
45.4742, 0.2121, 0.3366

Complementary

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



45.4742, 0.2848, 0.2321



81.8334, 0.3323, 0.4284

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.



45.4742, 0.2612, 0.4105



45.4742, 0.2848, 0.2321



45.4742, 0.3934, 0.4518

Square

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



45.4742, 0.2848, 0.2321



45.4742, 0.4531, 0.3616



45.4742, 0.3275, 0.4556



45.4742, 0.1901, 0.2711

Rectangle

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



45.4742, 0.2848, 0.2321



45.4742, 0.4027, 0.2928



45.4742, 0.3275, 0.4556



45.4742, 0.2257, 0.3619

Sweetspot

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



45.4761, 0.2848, 0.2321



81.1053, 0.3056, 0.3011



55.3855, 0.2548, 0.2713



16.9012, 0.3046, 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.



45.4761, 0.2848, 0.2321



40.7465, 0.2770, 0.2099



51.6161, 0.3204, 0.2448



17.1189, 0.3067, 0.3051



6.6605, 0.2136, 0.0950



0.6797, 0.2257, 0.1017

Inverse Universe

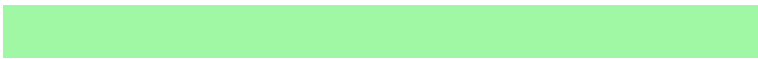
The Inverse Universe completely reimagines the original color for something new.



49.2353, 0.3599, 0.2876



45.5140, 0.3745, 0.2787



77.3130, 0.3054, 0.4308



17.3533, 0.3224, 0.3185



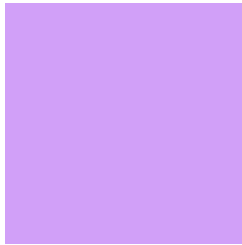
11.4169, 0.5200, 0.2638



1.0784, 0.4903, 0.2475

Previews

White Background



This preview shows how the Yxy color 45.4742, 0.2848, 0.2321 looks on a white background.

Color Contrast Check

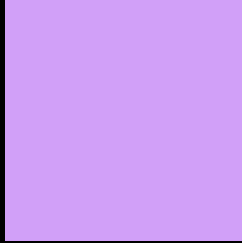
Large Text (above 18pt) WCAG AA × Fail

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 45.4742, 0.2848, 0.2321 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 45.4742, 0.2848, 0.2321

Background



This preview shows how black text looks on a background with the Yxy color 45.4742, 0.2848, 0.2321.



This preview shows how white text looks on a background with the Yxy color 45.4742, 0.2848, 0.2321.

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

45.4742, 0.2848, 0.2321

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.6139, 0.2532, 0.2463



Tritanopia

45.5744, 0.3251, 0.3128

Trichromacy



Original Color

45.4742, 0.2848, 0.2321

Protanomaly

45.2681, 0.2577, 0.2342

Deuteranomaly

45.2446, 0.2634, 0.2405

Tritanomaly

45.3052, 0.3098, 0.2799

Monochromacy



Original Color

45.4742, 0.2848, 0.2321

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.0741, 0.3027, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4742, 0.2848, 0.2321 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(209, 160, 248)` looks like.

```
.text, #text, p{  
    color:rgb(209, 160, 248)  
}
```

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(209, 160, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 160, 248) }
```

Border

The CSS property to change the border of an element to Yxy 45.4742, 0.2848, 0.2321 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(209, 160, 248) }
```

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

```
.border{ border-color:rgb(209, 160, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 160, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 160, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 160, 248);  
box-shadow:4px 4px 4px 4px rgb(209, 160,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4742, 0.2848, 0.2321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 160, 248) }
```

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

```
.background{ background-color: rgb(209,  
160, 248) }
```

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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