

Converting Colors

$Yxy(50.7128, 0.2810, 0.2528)$

Have a look what the booklet for
Yxy(50.7128, 0.2810, 0.2528)
contains.

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Color

Yxy(50.8509, 0.2817, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	C9B2F5
RGB	201, 178, 245
RGB Percent	79%, 70%, 96%
CMY	0.2114, 0.3021, 0.0391
CMYK	0.18, 0.27, 0.00, 0.04
HSL	261°, 77%, 83%
HSV	261°, 27%, 96%
XYZ	56.5077, 50.8509, 93.2367
YIQ	192.5150, -7.7990, 25.7130

Conversions

Conversions Part 2

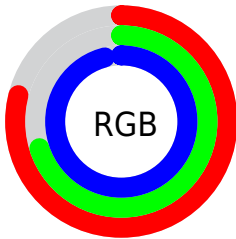
Format	Color
R _Y B	201, 178, 245
Decimal	13218549
CIE Lab	76.59, 21.34, -30.29
CIE LCh	77, 37.049, 305.171
Yxy	50.8509, 0.2817, 0.2535
Android (android.graphics.Color)	4291408629 (0xFFC9B2F5)
YUV	192.5150, 25.8751, 7.4413
Hunter-Lab	71.3098, 16.6557, -27.6040

Details

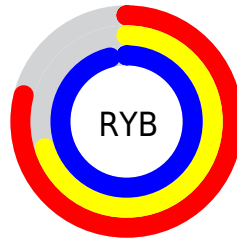
The Yxy color **50.8509, 0.2817, 0.2535** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0438, 0.3380, 0.4013**, and the grayscale version is **52.8845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **24.4523, 0.2723, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **39.8486, 0.2674, 0.2221**, and if you desaturate by 10%, it is **63.8311, 0.2944, 0.2832**.

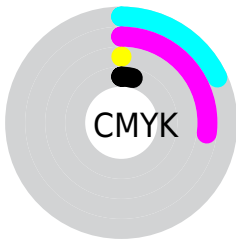
Distribution



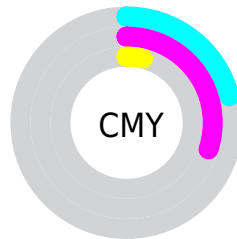
- Red (79%)
- Green (70%)
- Blue (96%)



- Red (79%)
- Yellow (70%)
- Blue (96%)



- Cyan (18%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (21%)
- Magenta (30%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8509, 0.2817, 0.2535 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 50.8509, 0.2817, 0.2535 by changing the saturation by 10% instead.

50.8509, 0.2817,
0.2535

50.8509, 0.2817,
0.2535

389.9842, 0.2973,
0.2887

36.0900, 0.2778,
0.2455

91.4343, 0.2873,
0.2657

24.5037, 0.2729,
0.2356

118.0256, 0.2895,
0.2705

15.7077, 0.2665,
0.2232

149.3292, 0.2913,
0.2745

9.3175, 0.2578,
0.2070

185.7293, 0.2928,
0.2781

4.9489, 0.2453,
0.1855

227.6105, 0.2942,
0.2812

2.2173, 0.2262,
0.1557

275.3571, 0.2953,

0.7294, 0.1951,

0.2840

0.1119

329.3536, 0.2964,
0.2865

0.0000, 0.0781,
0.0000

0.0000, 0.0000,
0.0000

50.8509, 0.2817,
0.2535

50.8509, 0.2817,
0.2535

39.8486, 0.2674,
0.2221

63.8311, 0.2944,
0.2832

30.7182, 0.2518,
0.1901

78.8757, 0.3055,
0.3105

23.3530, 0.2353,
0.1588

96.0733, 0.3151,
0.3353

17.6327, 0.2187,
0.1301

99.3737, 0.3185,
0.3386

■ 13.4213, 0.2029,
0.1059

■ 10.5599, 0.1889,
0.0876

■ 8.8427, 0.1772,
0.0759

■ 8.4999, 0.1745,
0.0735

Harmonies

Analogous

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



50.8509, 0.2432, 0.2496



50.8509, 0.2817, 0.2535



50.8509, 0.3319, 0.2739

Triad

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



50.8509, 0.2817, 0.2535



50.8509, 0.4098, 0.3844



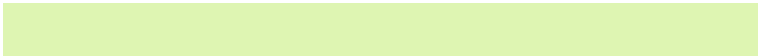
50.8509, 0.2476, 0.3485

Complementary

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



50.8509, 0.2817, 0.2535



84.0438, 0.3380, 0.4013

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.



50.8509, 0.2885, 0.3952



50.8509, 0.2817, 0.2535



50.8509, 0.3827, 0.4129

Square

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



50.8509, 0.2817, 0.2535



50.8509, 0.4094, 0.3458



50.8509, 0.3379, 0.4192



50.8509, 0.2248, 0.2997

Rectangle

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



50.8509, 0.2817, 0.2535



50.8509, 0.3652, 0.2947



50.8509, 0.3379, 0.4192



50.8509, 0.2596, 0.3654

Sweetspot

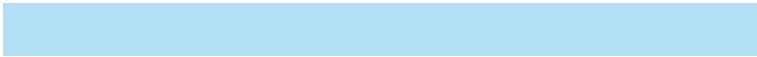
The Sweet Spot groups the original color and five complimentary colors.



50.8530, 0.2817, 0.2535



85.2201, 0.3049, 0.3088



68.6545, 0.2703, 0.3035



17.6821, 0.3033, 0.3048



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.



50.8530, 0.2817, 0.2535



48.5490, 0.2737, 0.2358



55.8897, 0.3070, 0.2589



16.2044, 0.3033, 0.3049



4.6472, 0.1760, 0.0743



0.4632, 0.1896, 0.0818

Inverse Universe

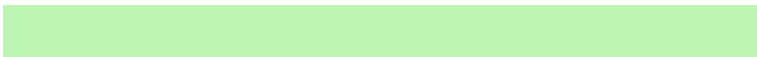
The Inverse Universe completely reimagines the original color for something new.



56.5147, 0.3343, 0.2830



55.8197, 0.3401, 0.2731



79.3666, 0.3161, 0.4065



16.6656, 0.3191, 0.3136



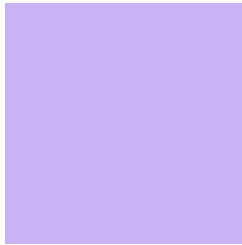
11.8626, 0.4319, 0.2153



1.0619, 0.4143, 0.2056

Previews

White Background



This preview shows how the Yxy color 50.8509, 0.2817, 0.2535 looks on a white background.

Color Contrast Check

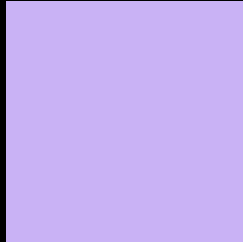
Large Text (above 18pt) WCAG AA × Fail

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 50.8509, 0.2817, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

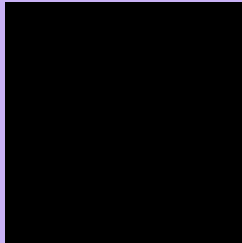
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8509, 0.2817, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 50.8509, 0.2817, 0.2535.



This preview shows how white text looks on a background with the Yxy color 50.8509, 0.2817, 0.2535.

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

50.8509, 0.2817, 0.2535

Protanopia

51.1636, 0.2579, 0.2539

Deuteranopia

51.0539, 0.2671, 0.2617



Tritanopia

50.6723, 0.3070, 0.3106

Trichromacy



Original Color

50.8509, 0.2817, 0.2535

Protanomaly

51.0656, 0.2660, 0.2537

Deuteranomaly

50.8377, 0.2717, 0.2582

Tritanomaly

50.6125, 0.2976, 0.2884

Monochromacy



Original Color

50.8509, 0.2817, 0.2535

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.4557, 0.3012, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8509, 0.2817, 0.2535 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(201, 178, 245)` looks like.

```
.text, #text, p{  
    color:rgb(201, 178, 245)  
}
```

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(201, 178, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 178, 245) }
```

Border

The CSS property to change the border of an element to Yxy 50.8509, 0.2817, 0.2535 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(201, 178, 245) }
```

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

```
.border{ border-color:rgb(201, 178, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 178, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 178, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 178, 245);  
box-shadow:4px 4px 4px 4px rgb(201, 178,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8509, 0.2817, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 178, 245) }
```

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

```
.background{ background-color: rgb(201,  
178, 245) }
```

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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