

Converting Colors

$Y_{xy}(50.4070, 0.2874, 0.2613)$

Have a look what the booklet for
Yxy(50.4070, 0.2874, 0.2613)
contains.

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Color

Yxy(50.5118, 0.2879, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	CAB2ED
RGB	202, 178, 237
RGB Percent	79%, 70%, 93%
CMY	0.2077, 0.3020, 0.0706
CMYK	0.15, 0.25, 0.00, 0.07
HSL	264°, 62%, 81%
HSV	264°, 25%, 93%
XYZ	55.5688, 50.5118, 86.9336
YIQ	191.9020, -4.6350, 23.4370

Conversions

Conversions Part 2

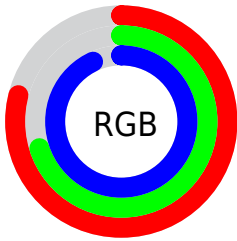
Format	Color
R _Y B	202, 178, 237
Decimal	13284077
CIE Lab	76.38, 19.89, -26.26
CIE LCh	76, 32.942, 307.138
Yxy	50.5118, 0.2879, 0.2617
Android (android.graphics.Color)	4291474157 (0xFFCAB2ED)
YUV	191.9020, 22.2333, 8.8559
Hunter-Lab	71.0717, 15.1883, -22.7723

Details

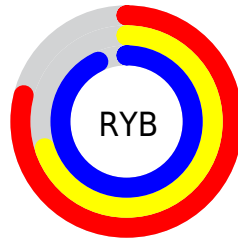
The Yxy color **50.5118, 0.2879, 0.2617** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.9158, 0.3331, 0.3948**, and the grayscale version is **52.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **24.2065, 0.2803, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **40.0132, 0.2754, 0.2313**, and if you desaturate by 10%, it is **62.8219, 0.2990, 0.2904**.

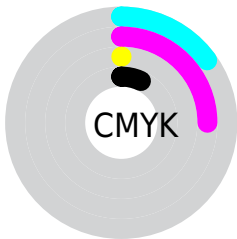
Distribution



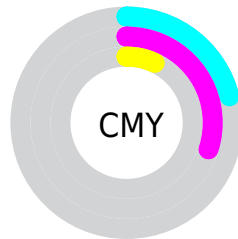
- Red (79%)
- Green (70%)
- Blue (93%)



- Red (79%)
- Yellow (70%)
- Blue (93%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)



- Cyan (21%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5118, 0.2879, 0.2617 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 50.5118, 0.2879, 0.2617 by changing the saturation by 10% instead.

■ 50.5118, 0.2879,
0.2617

■ 50.5118, 0.2879,
0.2617

388.6640, 0.3005,
0.2933

■ 35.8202, 0.2848,
0.2544

■ 90.9327, 0.2925,
0.2727

■ 24.2954, 0.2807,
0.2454

117.4309, 0.2942,
0.2770

■ 15.5529, 0.2754,
0.2340

148.6333, 0.2956,
0.2807

■ 9.2083, 0.2682,
0.2190

184.9245, 0.2969,
0.2839

■ 4.8773, 0.2576,
0.1988

226.6887, 0.2980,
0.2867

■ 2.1755, 0.2411,
0.1701

274.3105, 0.2989,

■ 0.7066, 0.2133,

0.2891

0.1258

328.1741, 0.2997,
0.2913

0.0000, 0.0666,
0.0000

0.0000, 0.0000,
0.0000

50.5118, 0.2879,
0.2617

50.5118, 0.2879,
0.2617

40.0132, 0.2754,
0.2313

62.8219, 0.2990,
0.2904

31.2312, 0.2615,
0.2002

77.0196, 0.3085,
0.3169

24.0720, 0.2466,
0.1695

93.1839, 0.3167,
0.3410

18.4295, 0.2312,
0.1410

98.8939, 0.3232,
0.3464

■ 14.1847, 0.2161,
0.1163

■ 11.1998, 0.2020,
0.0969

■ 9.3067, 0.1897,
0.0837

■ 8.6316, 0.1842,
0.0788

Harmonies

Analogous

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



50.5118, 0.2522, 0.2573



50.5118, 0.2879, 0.2617



50.5118, 0.3330, 0.2811

Triad

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



50.5118, 0.2879, 0.2617



50.5118, 0.3985, 0.3813



50.5118, 0.2526, 0.3436

Complementary

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



50.5118, 0.2879, 0.2617



77.9158, 0.3331, 0.3948

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.



50.5118, 0.2886, 0.3852



50.5118, 0.2879, 0.2617



50.5118, 0.3733, 0.4052

Square

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



50.5118, 0.2879, 0.2617



50.5118, 0.3996, 0.3471



50.5118, 0.3328, 0.4083



50.5118, 0.2330, 0.3008

Rectangle

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



50.5118, 0.2879, 0.2617



50.5118, 0.3623, 0.3004



50.5118, 0.3328, 0.4083



50.5118, 0.2631, 0.3585

Sweetspot

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



50.5139, 0.2879, 0.2617



87.1842, 0.3066, 0.3115



63.3642, 0.2737, 0.3014



18.4360, 0.3061, 0.3099



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.



50.5139, 0.2879, 0.2617



52.9137, 0.2815, 0.2460



54.9566, 0.3109, 0.2662



14.8486, 0.3044, 0.3051



4.7851, 0.1858, 0.0797



0.4307, 0.2013, 0.0883

Inverse Universe

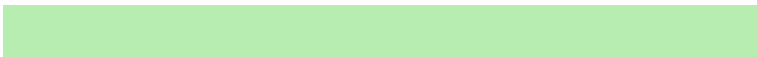
The Inverse Universe completely reimagines the original color for something new.



54.6432, 0.3349, 0.2912



58.6726, 0.3409, 0.2829



73.9543, 0.3132, 0.3990



15.2039, 0.3200, 0.3151



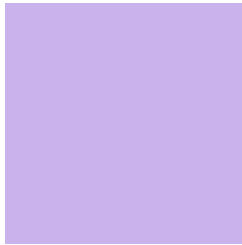
10.8972, 0.4569, 0.2290



0.8747, 0.4329, 0.2158

Previews

White Background



This preview shows how the Yxy color 50.5118, 0.2879, 0.2617 looks on a white background.

Color Contrast Check

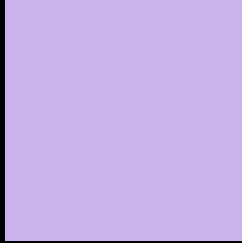
Large Text (above 18pt) WCAG AA × Fail

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 50.5118, 0.2879, 0.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

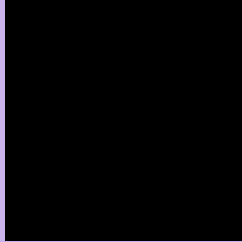
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5118, 0.2879, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 50.5118, 0.2879, 0.2617.



This preview shows how white text looks on a background with the Yxy color 50.5118, 0.2879, 0.2617.

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

50.5118, 0.2879, 0.2617

Protanopia

50.5875, 0.2644, 0.2612

Deuteranopia

50.8213, 0.2748, 0.2685



Tritanopia

50.5572, 0.3110, 0.3119

Trichromacy



Original Color

50.5118, 0.2879, 0.2617

Protanomaly

50.4082, 0.2722, 0.2610

Deuteranomaly

50.4592, 0.2797, 0.2658

Tritanomaly

50.2658, 0.3021, 0.2919

Monochromacy



Original Color

50.5118, 0.2879, 0.2617

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.8305, 0.3042, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5118, 0.2879, 0.2617 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(202, 178, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 178, 237)  
}
```

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(202, 178, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 178, 237) }
```

Border

The CSS property to change the border of an element to Yxy 50.5118, 0.2879, 0.2617 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(202, 178, 237) }
```

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

```
.border{ border-color:rgb(202, 178, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 178, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 178, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 178, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 178,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5118, 0.2879, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 178, 237) }
```

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

```
.background{ background-color: rgb(202,  
178, 237) }
```

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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