

Converting Colors

$Y_{xy}(50.1913, 0.2853, 0.2490)$

Have a look what the booklet for
Yxy(50.1913, 0.2853, 0.2490)
contains.

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Color

Yxy(50.1913, 0.2853, 0.2490)

Conversions

Conversions Part 1

Format	Color
Hex	CFAEF6
RGB	207, 174, 246
RGB Percent	81%, 68%, 96%
CMY	0.1882, 0.3177, 0.0352
CMYK	0.16, 0.29, 0.00, 0.04
HSL	267°, 80%, 82%
HSV	267°, 29%, 96%
XYZ	57.5083, 50.1913, 93.8718
YIQ	192.0750, -3.4440, 29.3880

Conversions

Conversions Part 2

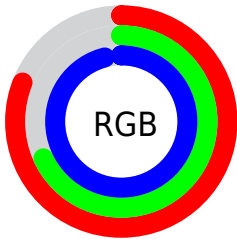
Format	Color
R _Y B	207, 174, 246
Decimal	13610742
CIE _{Lab}	76.19, 25.54, -31.41
CIE _{LCh}	76, 40.483, 309.117
Yxy	50.1913, 0.2853, 0.2490
Android (android.graphics.Color)	4291800822 (0xFFCFAEF6)
YUV	192.0750, 26.5850, 13.0892
Hunter-Lab	70.8458, 20.9153, -28.9681

Details

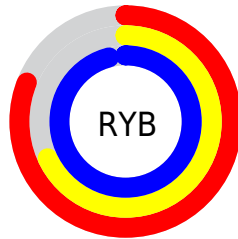
The Yxy color **50.1913, 0.2853, 0.2490** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **83.1368, 0.3341, 0.4082**, and the grayscale version is **52.6038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **24.0243, 0.2779, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **39.7026, 0.2732, 0.2186**, and if you desaturate by 10%, it is **62.5871, 0.2960, 0.2782**.

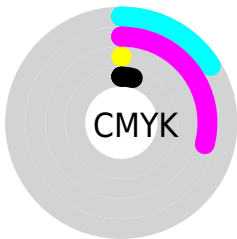
Distribution



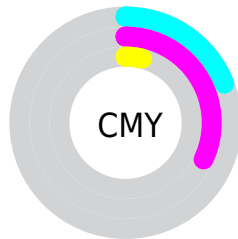
- Red (81%)
- Green (68%)
- Blue (96%)



- Red (81%)
- Yellow (68%)
- Blue (96%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)





- Cyan (19%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1913, 0.2853, 0.2490 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 50.1913, 0.2853, 0.2490 by changing the saturation by 10% instead.


 50.1913, 0.2853,
0.2490

 50.1913, 0.2853,
0.2490


387.4136, 0.2993,
0.2861

 35.5654, 0.2818,
0.2406


 90.4583, 0.2904,
0.2618

 24.0988, 0.2773,
0.2303


116.8681, 0.2923,
0.2668

 15.4069, 0.2714,
0.2173


147.9748, 0.2940,
0.2712

 9.1054, 0.2632,
0.2006

184.1626, 0.2953,
0.2749

 4.8100, 0.2515,
0.1784

225.8160, 0.2965,
0.2782

 2.1362, 0.2335,
0.1479

273.3194, 0.2976,

 0.6849, 0.2038,

0.2811

0.1032

327.0571, 0.2985,
0.2837

0.0000, 0.1018,
0.0000

0.0000, 0.0000,
0.0000

50.1913, 0.2853,
0.2490

50.1913, 0.2853,
0.2490

39.7026, 0.2732,
0.2186

62.5871, 0.2960,
0.2782

31.0158, 0.2600,
0.1882

76.9756, 0.3053,
0.3056

24.0244, 0.2459,
0.1590

93.4446, 0.3132,
0.3307

18.6080, 0.2316,
0.1328

99.4359, 0.3179,
0.3376

■ 14.6295, 0.2177,
0.1109

■ 11.9268, 0.2048,
0.0948

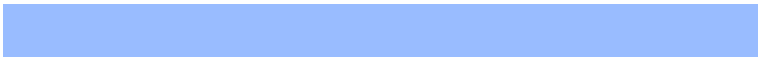
■ 10.2527, 0.1935,
0.0842

■ 10.1504, 0.1927,
0.0835

Harmonies

Analogous

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



50.1913, 0.2414, 0.2420



50.1913, 0.2853, 0.2490



50.1913, 0.3410, 0.2731

Triad

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



50.1913, 0.2853, 0.2490



50.1913, 0.4165, 0.3938



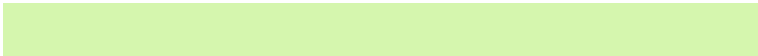
50.1913, 0.2370, 0.3428

Complementary

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



50.1913, 0.2853, 0.2490



83.1368, 0.3341, 0.4082

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.



50.1913, 0.2791, 0.3964



50.1913, 0.2853, 0.2490



50.1913, 0.3833, 0.4234

Square

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



50.1913, 0.2853, 0.2490



50.1913, 0.4208, 0.3524



50.1913, 0.3326, 0.4271



50.1913, 0.2155, 0.2903

Rectangle

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



50.1913, 0.2853, 0.2490



50.1913, 0.3769, 0.2965



50.1913, 0.3326, 0.4271



50.1913, 0.2491, 0.3617

Sweetspot

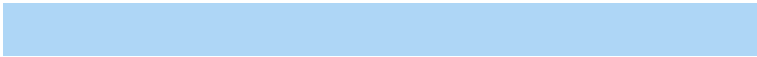
The Sweet Spot groups the original color and five complimentary colors.



50.1934, 0.2853, 0.2490



83.9393, 0.3055, 0.3063



63.5535, 0.2662, 0.2915



17.4480, 0.3043, 0.3024



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.



50.1934, 0.2853, 0.2490



47.6170, 0.2785, 0.2315



55.8802, 0.3132, 0.2554



16.2987, 0.3051, 0.3050



5.4974, 0.1944, 0.0845



0.5435, 0.2082, 0.0921

Inverse Universe

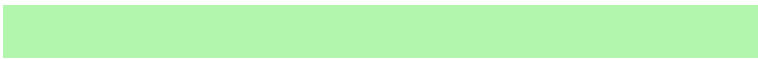
The Inverse Universe completely reimagines the original color for something new.



54.6746, 0.3431, 0.2879



53.3017, 0.3512, 0.2795



78.4053, 0.3109, 0.4141



16.6327, 0.3208, 0.3163



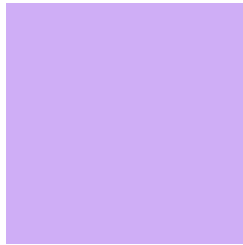
11.3943, 0.4784, 0.2409



1.0222, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 50.1913, 0.2853, 0.2490 looks on a white background.

Color Contrast Check

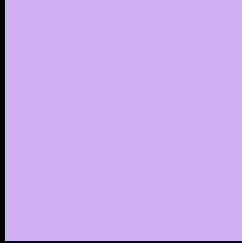
Large Text (above 18pt) WCAG AA × Fail

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 50.1913, 0.2853, 0.2490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

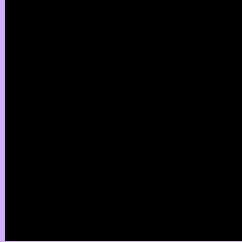
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1913, 0.2853, 0.2490

Background



This preview shows how black text looks on a background with the Yxy color 50.1913, 0.2853, 0.2490.



This preview shows how white text looks on a background with the Yxy color 50.1913, 0.2853, 0.2490.

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

50.1913, 0.2853, 0.2490

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.4597, 0.2650, 0.2592



Tritanopia

50.0863, 0.3144, 0.3107

Trichromacy



Original Color

50.1913, 0.2853, 0.2490

Protanomaly

50.4293, 0.2640, 0.2484

Deuteranomaly

50.2051, 0.2716, 0.2549

Tritanomaly

50.1054, 0.3039, 0.2876

Monochromacy



Original Color

50.1913, 0.2853, 0.2490

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.3217, 0.3020, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1913, 0.2853, 0.2490 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(207, 174, 246)` looks like.

```
.text, #text, p{  
    color:rgb(207, 174, 246)  
}
```

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(207, 174, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 174, 246) }
```

Border

The CSS property to change the border of an element to Yxy 50.1913, 0.2853, 0.2490 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(207, 174, 246) }
```

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

```
.border{ border-color:rgb(207, 174, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 174, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 174, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 174, 246);  
box-shadow:4px 4px 4px 4px rgb(207, 174,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1913, 0.2853, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 174, 246) }
```

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

```
.background{ background-color: rgb(207,  
174, 246) }
```

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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