

# Converting Colors

$Y_{xy}(48.5099, 0.2832, 0.2544)$

Have a look what the booklet for  
Yxy(48.5099, 0.2832, 0.2544)  
contains.

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# Color

**Yxy(48.5099, 0.2832, 0.2544)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6AEEF
RGB	198, 174, 239
RGB Percent	78%, 68%, 94%
CMY	0.2236, 0.3176, 0.0628
CMYK	0.17, 0.27, 0.00, 0.06
HSL	262°, 67%, 81%
HSV	262°, 27%, 94%
XYZ	54.0016, 48.5099, 88.1721
YIQ	188.5860, -6.5610, 25.3030

# Conversions

## Conversions Part 2

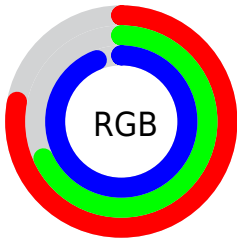
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 174, 239
Decimal	13020911
CIE <sub>Lab</sub>	75.15, 21.25, -29.27
CIE <sub>LCh</sub>	75, 36.172, 305.981
Yxy	48.5099, 0.2832, 0.2544
Android (android.graphics.Color)	4291210991 (0xFFC6AEEF)
YUV	188.5860, 24.8541, 8.2561
Hunter-Lab	69.6490, 16.5121, -26.3037

# Details

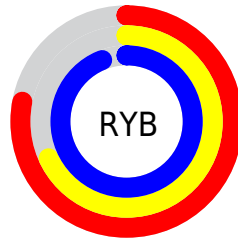
The Yxy color **48.5099, 0.2832, 0.2544** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **79.2338, 0.3367, 0.4010**, and the grayscale version is **50.4993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **22.9333, 0.2741, 0.2353** is the 20% darker color. If you saturate the color by 10%, you get **38.1359, 0.2695, 0.2234**, and if you desaturate by 10%, it is **60.7347, 0.2954, 0.2838**.

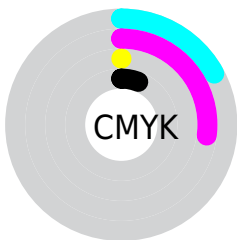
# Distribution



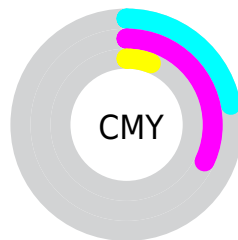
- Red (78%)
- Green (68%)
- Blue (94%)



- Red (78%)
- Yellow (68%)
- Blue (94%)



- Cyan (17%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)




- Cyan (22%)
- Magenta (32%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5099, 0.2832, 0.2544 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 48.5099, 0.2832, 0.2544 by changing the saturation by 10% instead.





 48.5099, 0.2832,  
0.2544

 48.5099, 0.2832,  
0.2544

380.8097, 0.2982,  
0.2895

 34.2309, 0.2794,  
0.2463


 87.9631, 0.2887,  
0.2666

 23.0710, 0.2746,  
0.2363


113.9061, 0.2907,  
0.2714

 14.6459, 0.2683,  
0.2237


144.5058, 0.2925,  
0.2754

 8.5713, 0.2596,  
0.2072

180.1467, 0.2939,  
0.2790

 4.4626, 0.2470,  
0.1851

221.2131, 0.2952,  
0.2821

 1.9356, 0.2275,  
0.1540

268.0895, 0.2963,

 0.5696, 0.1958,

0.2848

0.1033

321.1602, 0.2973,  
0.2873

0.0000, 0.0051,  
0.0000

0.0000, 0.0000,  
0.0000

48.5099, 0.2832,  
0.2544

48.5099, 0.2832,  
0.2544

38.1359, 0.2695,  
0.2234

60.7347, 0.2954,  
0.2838

29.5137, 0.2544,  
0.1917

74.8907, 0.3060,  
0.3110

22.5440, 0.2385,  
0.1608

91.0607, 0.3151,  
0.3357

17.1146, 0.2224,  
0.1323

99.0116, 0.3220,  
0.3444

■ 13.0990, 0.2069,  
0.1083

■ 10.3493, 0.1929,  
0.0900

■ 8.6751, 0.1811,  
0.0781

■ 8.3160, 0.1781,  
0.0755

# Harmonies

## Analogous

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



48.5099, 0.2446, 0.2501



48.5099, 0.2832, 0.2544



48.5099, 0.3331, 0.2751

# Triad

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



48.5099, 0.2832, 0.2544



48.5099, 0.4086, 0.3850



48.5099, 0.2473, 0.3470

# Complementary

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



48.5099, 0.2832, 0.2544



79.2338, 0.3367, 0.4010

# 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.



48.5099, 0.2874, 0.3936



48.5099, 0.2832, 0.2544



48.5099, 0.3812, 0.4128

# Square

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



48.5099, 0.2832, 0.2544



48.5099, 0.4090, 0.3468



48.5099, 0.3364, 0.4182



48.5099, 0.2252, 0.2988



# Rectangle

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



48.5099, 0.2832, 0.2544



48.5099, 0.3661, 0.2959



48.5099, 0.3364, 0.4182



48.5099, 0.2590, 0.3638

# Sweetspot

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



48.5119, 0.2832, 0.2544



85.3079, 0.3052, 0.3088



63.9165, 0.2703, 0.3011



17.7041, 0.3037, 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.



48.5119, 0.2832, 0.2544



48.8325, 0.2752, 0.2362



53.3847, 0.3089, 0.2598



15.5128, 0.3037, 0.3050



4.6641, 0.1797, 0.0763



0.4427, 0.1942, 0.0844



# Inverse Universe

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



53.5321, 0.3354, 0.2850



55.7080, 0.3418, 0.2751



74.8124, 0.3146, 0.4061



15.9267, 0.3194, 0.3142



11.3983, 0.4414, 0.2205

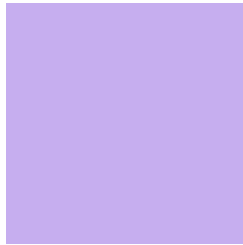


0.9674, 0.4213, 0.2095



# Previews

## White Background



This preview shows how the Yxy color 48.5099, 0.2832, 0.2544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

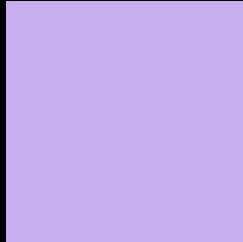
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5099, 0.2832, 0.2544 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

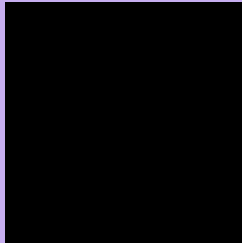
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5099, 0.2832, 0.2544**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5099, 0.2832, 0.2544.



This preview shows how white text looks on a background with the Yxy color 48.5099, 0.2832, 0.2544.

# 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

48.5099, 0.2832, 0.2544

### Protanopia

48.8456, 0.2582, 0.2537

### Deuteranopia

48.6843, 0.2682, 0.2628



## Tritanopia

48.5178, 0.3093, 0.3115

# Trichromacy



## Original Color

48.5099, 0.2832, 0.2544

## Protanomaly

48.6973, 0.2671, 0.2546

## Deuteranomaly

48.4805, 0.2730, 0.2591

## Tritanomaly

48.4630, 0.2996, 0.2890

# Monochromacy



## Original Color

48.5099, 0.2832, 0.2544

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

49.9924, 0.3017, 0.3008

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5099, 0.2832, 0.2544 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(198, 174, 239)` looks like.

```
.text, #text, p{  
    color:rgb(198, 174, 239)  
}
```

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(198, 174, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 174, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5099, 0.2832, 0.2544 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(198, 174, 239) }
```

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

```
.border{ border-color:rgb(198, 174, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 174, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 174, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 174, 239);  
box-shadow:4px 4px 4px 4px rgb(198, 174,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5099, 0.2832, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 174, 239) }
```

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

```
.background{ background-color: rgb(198,  
174, 239) }
```

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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