

# Converting Colors

$Yxy(47.9149, 0.2790, 0.2461)$

Have a look what the booklet for  
Yxy(47.9149, 0.2790, 0.2461)  
contains.

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# Color

**Yxy(48.1034, 0.2790, 0.2461)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6ACF5
RGB	198, 172, 245
RGB Percent	78%, 67%, 96%
CMY	0.2234, 0.3255, 0.0391
CMYK	0.19, 0.30, 0.00, 0.04
HSL	261°, 79%, 82%
HSV	261°, 30%, 96%
XYZ	54.5341, 48.1034, 92.8253
YIQ	188.0960, -7.9370, 28.2150

# Conversions

## Conversions Part 2

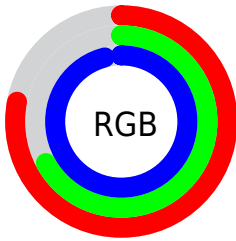
Format	Color
R <sub>Y</sub> B	198, 172, 245
Decimal	13020405
CIE Lab	74.89, 23.71, -32.93
CIE LCh	75, 40.580, 305.750
Yxy	48.1034, 0.2790, 0.2461
Android (android.graphics.Color)	4291210485 (0xFFC6ACF5)
YUV	188.0960, 28.0537, 8.6858
Hunter-Lab	69.3566, 18.9780, -30.8027

# Details

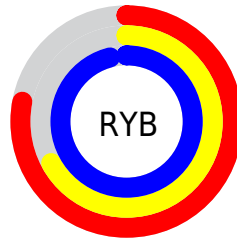
The Yxy color  $48.1034, 0.2790, 0.2461$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $83.3624, 0.3396, 0.4084$ , and the grayscale version is  $50.1914, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.9668, 0.3139, 0.3029$ , and  $22.9034, 0.2696, 0.2277$  is the 20% darker color. If you saturate the color by 10%, you get  $37.5909, 0.2646, 0.2146$ , and if you desaturate by 10%, it is  $60.5622, 0.2919, 0.2762$ .

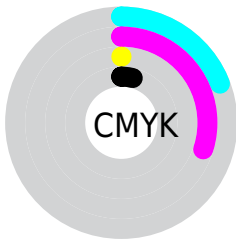
# Distribution



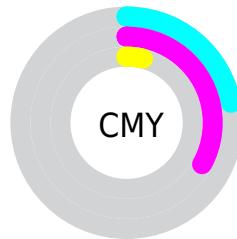
- Red (78%)
- Green (67%)
- Blue (96%)



- Red (78%)
- Yellow (67%)
- Blue (96%)



- Cyan (19%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)




- Cyan (22%)
- Magenta (33%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1034, 0.2790, 0.2461 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 48.1034, 0.2790, 0.2461 by changing the saturation by 10% instead.





 48.1034, 0.2790,  
0.2461

 48.1034, 0.2790,  
0.2461


379.2018, 0.2961,  
0.2848

 33.9088, 0.2747,  
0.2373


 87.3583, 0.2852,  
0.2595

 22.8235, 0.2693,  
0.2264


113.1874, 0.2876,  
0.2648

 14.4633, 0.2621,  
0.2127


143.6635, 0.2896,  
0.2693

 8.4436, 0.2523,  
0.1951

179.1709, 0.2913,  
0.2732

 4.3801, 0.2382,  
0.1716

220.0940, 0.2927,  
0.2766

 1.8884, 0.2168,  
0.1395

266.8173, 0.2940,

 0.5414, 0.1828,

0.2797

0.0884

319.7251, 0.2951,  
0.2824

0.0000, 0.0214,  
0.0000

0.0000, 0.0000,  
0.0000

48.1034, 0.2790,  
0.2461

48.1034, 0.2790,  
0.2461

37.5909, 0.2646,  
0.2146

60.5622, 0.2919,  
0.2762

28.9175, 0.2490,  
0.1827

75.0554, 0.3032,  
0.3041

21.9742, 0.2327,  
0.1521

91.6727, 0.3129,  
0.3295

16.6378, 0.2164,  
0.1245

99.3748, 0.3185,  
0.3385

■ 12.7680, 0.2010,  
0.1017

■ 10.1989, 0.1875,  
0.0851

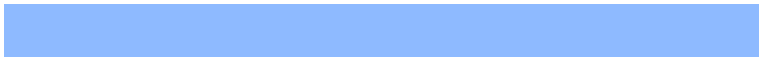
■ 8.6643, 0.1764,  
0.0746

■ 8.6400, 0.1762,  
0.0744

# Harmonies

## Analogous

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



48.1034, 0.2364, 0.2412



48.1034, 0.2790, 0.2461



48.1034, 0.3349, 0.2688

# Triad

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



48.1034, 0.2790, 0.2461



48.1034, 0.4203, 0.3903



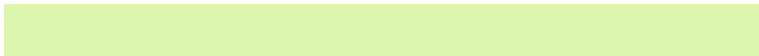
48.1034, 0.2397, 0.3494

# Complementary

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



48.1034, 0.2790, 0.2461



83.3624, 0.3396, 0.4084

# 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.



48.1034, 0.2843, 0.4028



48.1034, 0.2790, 0.2461



48.1034, 0.3892, 0.4225

# Square

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



48.1034, 0.2790, 0.2461



48.1034, 0.4210, 0.3476



48.1034, 0.3390, 0.4302



48.1034, 0.2153, 0.2948



# Rectangle

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



48.1034, 0.2790, 0.2461



48.1034, 0.3722, 0.2916



48.1034, 0.3390, 0.4302



48.1034, 0.2526, 0.3686

# Sweetspot

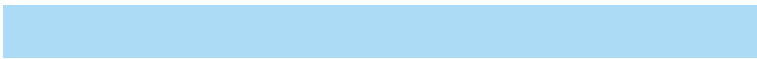
The Sweet Spot groups the original color and five complimentary colors.



48.1054, 0.2790, 0.2461



83.5278, 0.3040, 0.3062



66.2717, 0.2664, 0.2994



17.3469, 0.3025, 0.3023



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.



48.1054, 0.2790, 0.2461



45.2132, 0.2702, 0.2265



53.6001, 0.3073, 0.2527



16.2142, 0.3035, 0.3049



4.7234, 0.1778, 0.0753



0.4707, 0.1915, 0.0828



# Inverse Universe

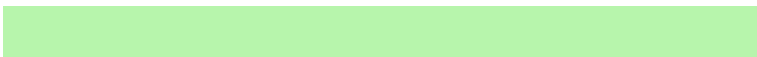
The Inverse Universe completely reimagines the original color for something new.



54.0321, 0.3374, 0.2796



52.8133, 0.3443, 0.2690



78.3652, 0.3155, 0.4146



16.6621, 0.3193, 0.3139



11.8081, 0.4366, 0.2179

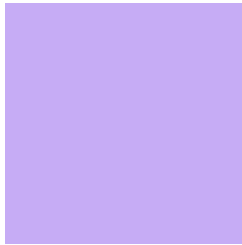


1.0574, 0.4183, 0.2078



# Previews

## White Background



This preview shows how the Yxy color 48.1034, 0.2790, 0.2461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

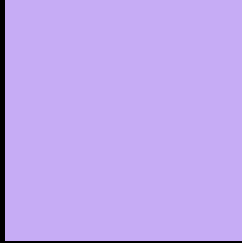
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1034, 0.2790, 0.2461 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

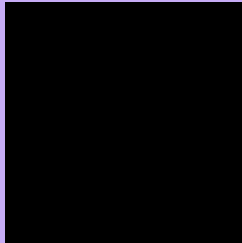
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.1034, 0.2790, 0.2461**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.1034, 0.2790, 0.2461.



This preview shows how white text looks on a background with the Yxy color 48.1034, 0.2790, 0.2461.

# 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

48.1034, 0.2790, 0.2461

### Protanopia

48.4403, 0.2515, 0.2448

### Deuteranopia

48.0649, 0.2610, 0.2546



## Tritanopia

47.8521, 0.3077, 0.3102

# Trichromacy



**Original Color**

48.1034, 0.2790, 0.2461

**Protanomaly**

47.9730, 0.2605, 0.2447

**Deuteranomaly**

48.0757, 0.2669, 0.2513

**Tritanomaly**

47.9023, 0.2965, 0.2852

# Monochromacy



**Original Color**

48.1034, 0.2790, 0.2461

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

49.2658, 0.3003, 0.2960

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1034, 0.2790, 0.2461 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, 172, 245)` looks like.

```
.text, #text, p{  
    color:rgb(198, 172, 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(198, 172, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 172, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1034, 0.2790, 0.2461 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, 172, 245) }
```

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

```
.border{ border-color:rgb(198, 172, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 172, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 172, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 172, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 172,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1034, 0.2790, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 172, 245) }
```

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

```
.background{ background-color: rgb(198,  
172, 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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