

# Converting Colors

$Yxy(49.7484, 0.2901, 0.2686)$

Have a look what the booklet for  
Yxy(49.7484, 0.2901, 0.2686)  
contains.

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# Color

**Yxy(49.6961, 0.2905, 0.2685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B2E6
RGB	199, 178, 230
RGB Percent	78%, 70%, 90%
CMY	0.2194, 0.3020, 0.0980
CMYK	0.13, 0.23, 0.00, 0.10
HSL	264°, 51%, 80%
HSV	264°, 23%, 90%
XYZ	53.7680, 49.6961, 81.6238
YIQ	190.2070, -4.1760, 20.6240

# Conversions

## Conversions Part 2

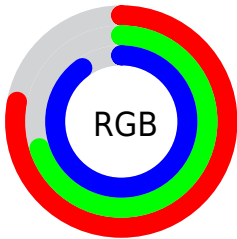
Format	Color
R <sub>Y</sub> B	199, 178, 230
Decimal	13087462
CIE Lab	75.88, 17.48, -23.27
CIE LCh	76, 29.099, 306.914
Yxy	49.6961, 0.2905, 0.2685
Android (android.graphics.Color)	4291277542 (0xFFC7B2E6)
YUV	190.2070, 19.6179, 7.7115
Hunter-Lab	70.4955, 12.7778, -19.3026

# Details

The Yxy color  $49.6961, 0.2905, 0.2685$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $73.3549, 0.3314, 0.3883$ , and the grayscale version is  $51.5093, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.3256, 0.3137, 0.3088$ , and  $23.7430, 0.2847, 0.2536$  is the 20% darker color. If you saturate the color by 10%, you get  $39.5119, 0.2783, 0.2385$ , and if you desaturate by 10%, it is  $61.5871, 0.3012, 0.2967$ .

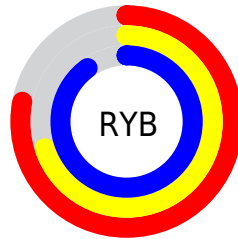
# Distribution



Red (78%)

Green (70%)

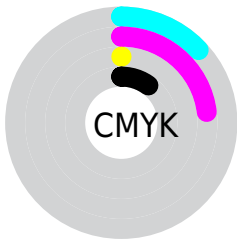
Blue (90%)



Red (78%)

Yellow (70%)

Blue (90%)

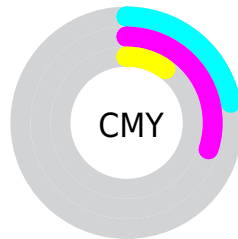


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (22%)

Magenta (30%)

Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6961, 0.2905, 0.2685 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 49.6961, 0.2905, 0.2685 by changing the saturation by 10% instead.



 49.6961, 0.2905,  
0.2685

 49.6961, 0.2905,  
0.2685


385.4763, 0.3018,  
0.2972

 35.1720, 0.2877,  
0.2618

 89.7244, 0.2946,  
0.2786

 23.7954, 0.2841,  
0.2535


115.9975, 0.2961,  
0.2824

 15.1819, 0.2792,  
0.2429


146.9556, 0.2974,  
0.2858

 8.9472, 0.2726,  
0.2288

182.9832, 0.2986,  
0.2887

 4.7067, 0.2629,  
0.2096

224.4646, 0.2995,  
0.2912

 2.0762, 0.2475,  
0.1818

271.7844, 0.3004,

 0.6512, 0.2213,

0.2934

0.1356

325.3268, 0.3011,  
0.2954

0.0000, 0.0000,  
0.0000

49.6961, 0.2905,  
0.2685

49.6961, 0.2905,  
0.2685

39.5119, 0.2783,  
0.2385

61.5871, 0.3012,  
0.2967

30.9475, 0.2646,  
0.2074

75.2542, 0.3105,  
0.3226

23.9173, 0.2499,  
0.1766

90.7701, 0.3184,  
0.3461

18.3252, 0.2346,  
0.1474

98.2644, 0.3266,  
0.3533

14.0635, 0.2193,  
0.1216

98.4934, 0.3274,  
0.3532

■ 11.0091, 0.2049,  
0.1008

■ 9.0139, 0.1921,  
0.0861

■ 8.0499, 0.1839,  
0.0787

# Harmonies

## Analogous

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



49.6961, 0.2585, 0.2649



49.6961, 0.2905, 0.2685



49.6961, 0.3306, 0.2859

# Triad

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



49.6961, 0.2905, 0.2685



49.6961, 0.3891, 0.3760



49.6961, 0.2593, 0.3425

# Complementary

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



49.6961, 0.2905, 0.2685



73.3549, 0.3314, 0.3883

# 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.



49.6961, 0.2918, 0.3787



49.6961, 0.2905, 0.2685



49.6961, 0.3672, 0.3967

# Square

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



49.6961, 0.2905, 0.2685



49.6961, 0.3897, 0.3455



49.6961, 0.3312, 0.3990



49.6961, 0.2414, 0.3046



# Rectangle

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



49.6961, 0.2905, 0.2685



49.6961, 0.3565, 0.3033



49.6961, 0.3312, 0.3990



49.6961, 0.2688, 0.3555

# Sweetspot

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



49.6982, 0.2905, 0.2685



87.1767, 0.3066, 0.3114



60.8739, 0.2774, 0.3043



18.4342, 0.3060, 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.



49.6982, 0.2905, 0.2685



56.7036, 0.2851, 0.2551



53.5238, 0.3111, 0.2721



14.1707, 0.3043, 0.3052



4.6243, 0.1855, 0.0796



0.3948, 0.2019, 0.0886



# Inverse Universe

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



53.2583, 0.3323, 0.2947



61.9930, 0.3373, 0.2876



69.8999, 0.3133, 0.3917



14.5112, 0.3200, 0.3151



10.5687, 0.4557, 0.2284



0.7993, 0.4307, 0.2146



# Previews

## White Background



This preview shows how the Yxy color 49.6961, 0.2905, 0.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

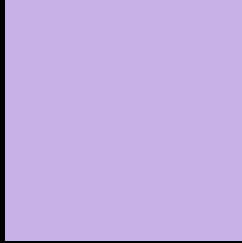
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.6961, 0.2905, 0.2685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

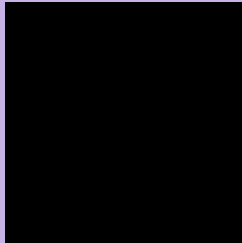
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6961, 0.2905, 0.2685**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.6961, 0.2905, 0.2685.



This preview shows how white text looks on a background with the Yxy color 49.6961, 0.2905, 0.2685.

# 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

49.6961, 0.2905, 0.2685

### Protanopia

49.8100, 0.2698, 0.2687

### Deuteranopia

49.7145, 0.2800, 0.2738



## Tritanopia

49.8275, 0.3102, 0.3117

# Trichromacy



## Original Color

49.6961, 0.2905, 0.2685

## Protanomaly

49.5294, 0.2772, 0.2682

## Deuteranomaly

49.5237, 0.2836, 0.2719

## Tritanomaly

49.8448, 0.3028, 0.2952

# Monochromacy



## Original Color

49.6961, 0.2905, 0.2685

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

50.8630, 0.3040, 0.3058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6961, 0.2905, 0.2685 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(199, 178, 230)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 230)  
}
```

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(199, 178, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6961, 0.2905, 0.2685 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(199, 178, 230) }
```

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

```
.border{ border-color:rgb(199, 178, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6961, 0.2905, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 230) }
```

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

```
.background{ background-color: rgb(199,  
178, 230) }
```

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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