

# Converting Colors

$Y_{xy}(47.7130, 0.2937, 0.2714)$

Have a look what the booklet for  
Yxy(47.7130, 0.2937, 0.2714)  
contains.

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# Color

**Yxy(47.8580, 0.2938, 0.2721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5AFDF
RGB	197, 175, 223
RGB Percent	77%, 69%, 87%
CMY	0.2275, 0.3137, 0.1253
CMYK	0.12, 0.22, 0.00, 0.13
HSL	267°, 43%, 78%
HSV	267°, 22%, 87%
XYZ	51.6747, 47.8580, 76.3512
YIQ	187.0500, -2.2960, 19.5920

# Conversions

## Conversions Part 2

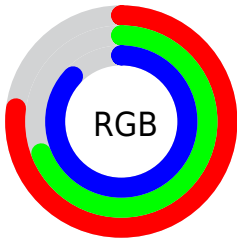
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 175, 223
Decimal	12955615
CIE Lab	74.74, 16.98, -21.24
CIE LCh	75, 27.198, 308.641
Yxy	47.8580, 0.2938, 0.2721
Android (android.graphics.Color)	4291145695 (0xFFC5AFDF)
YUV	187.0500, 17.7234, 8.7262
Hunter-Lab	69.1795, 12.2693, -17.0109

# Details

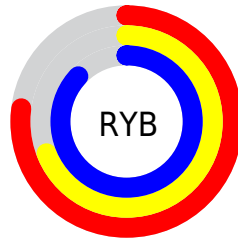
The Yxy color  $47.8580, 0.2938, 0.2721$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $68.3168, 0.3286, 0.3855$ , and the grayscale version is  $49.6234, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.4427, 0.3131, 0.3058$ , and  $22.5859, 0.2881, 0.2566$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3145, 0.2829, 0.2427$ , and if you desaturate by 10%, it is  $58.9705, 0.3034, 0.2998$ .

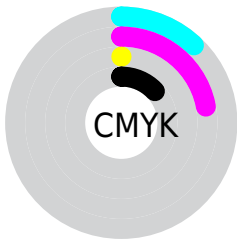
# Distribution



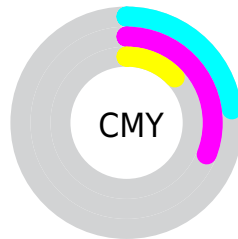
- Red (77%)
- Green (69%)
- Blue (87%)



- Red (77%)
- Yellow (69%)
- Blue (87%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (23%)
- Magenta (31%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8580, 0.2938, 0.2721 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 47.8580, 0.2938, 0.2721 by changing the saturation by 10% instead.



■ 47.8580, 0.2938,  
0.2721

■ 47.8580, 0.2938,  
0.2721

378.2290, 0.3035,  
0.2993

■ 33.7144, 0.2913,  
0.2657

■ 86.9929, 0.2974,  
0.2817

■ 22.6743, 0.2882,  
0.2577

112.7531, 0.2987,  
0.2854

■ 14.3532, 0.2839,  
0.2474

143.1543, 0.2998,  
0.2885

■ 8.3667, 0.2779,  
0.2336

178.5809, 0.3008,  
0.2913

■ 4.3305, 0.2691,  
0.2146

219.4172, 0.3016,  
0.2937

■ 1.8601, 0.2547,  
0.1866

266.0478, 0.3023,

■ 0.5242, 0.2311,

0.2958

0.1324

318.8569, 0.3029,  
0.2976

0.0000, 0.0000,  
0.0000

47.8580, 0.2938,  
0.2721

47.8580, 0.2938,  
0.2721

38.3145, 0.2829,  
0.2427

58.9705, 0.3034,  
0.2998

30.2606, 0.2706,  
0.2124

71.7145, 0.3116,  
0.3253

23.6188, 0.2572,  
0.1823

86.1562, 0.3185,  
0.3485

18.3021, 0.2431,  
0.1537

96.3307, 0.3253,  
0.3607

14.2134, 0.2288,  
0.1283

98.1097, 0.3315,  
0.3601

■ 11.2417, 0.2151,  
0.1075

■ 9.2544, 0.2026,  
0.0925

■ 8.1564, 0.1931,  
0.0838

# Harmonies

## Analogous

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



47.8580, 0.2627, 0.2679



47.8580, 0.2938, 0.2721



47.8580, 0.3320, 0.2893

# Triad

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



47.8580, 0.2938, 0.2721



47.8580, 0.3844, 0.3752



47.8580, 0.2607, 0.3397

# Complementary

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



47.8580, 0.2938, 0.2721



68.3168, 0.3286, 0.3855

# 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.



47.8580, 0.2909, 0.3742



47.8580, 0.2938, 0.2721



47.8580, 0.3627, 0.3938

# Square

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



47.8580, 0.2938, 0.2721



47.8580, 0.3861, 0.3466



47.8580, 0.3282, 0.3945



47.8580, 0.2445, 0.3042



# Rectangle

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



47.8580, 0.2938, 0.2721



47.8580, 0.3561, 0.3063



47.8580, 0.3282, 0.3945



47.8580, 0.2695, 0.3520

# Sweetspot

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



47.8600, 0.2938, 0.2721



89.0832, 0.3080, 0.3141



56.4155, 0.2789, 0.3027



18.8239, 0.3075, 0.3124



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.



47.8600, 0.2938, 0.2721



58.5510, 0.2889, 0.2586



51.3074, 0.3132, 0.2753



13.5489, 0.3052, 0.3053



4.8596, 0.1947, 0.0846



0.3896, 0.2119, 0.0941



# Inverse Universe

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



50.5767, 0.3333, 0.2993



62.9445, 0.3389, 0.2925



65.2856, 0.3116, 0.3885



13.8243, 0.3208, 0.3164



10.0589, 0.4773, 0.2403



0.7152, 0.4466, 0.2234



# Previews

## White Background



This preview shows how the Yxy color 47.8580, 0.2938, 0.2721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

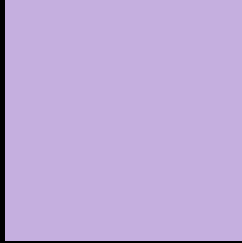
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.8580, 0.2938, 0.2721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

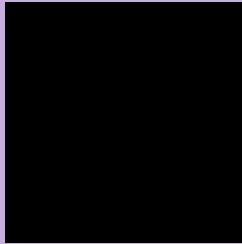
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.8580, 0.2938, 0.2721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.8580, 0.2938, 0.2721.



This preview shows how white text looks on a background with the Yxy color 47.8580, 0.2938, 0.2721.

# 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

47.8580, 0.2938, 0.2721

### Protanopia

47.9416, 0.2725, 0.2723

### Deuteranopia

47.9837, 0.2838, 0.2777



## Tritanopia

47.7440, 0.3118, 0.3115

# Trichromacy



## Original Color

47.8580, 0.2938, 0.2721

## Protanomaly

47.6763, 0.2802, 0.2718

## Deuteranomaly

47.8061, 0.2875, 0.2758

## Tritanomaly

47.7179, 0.3050, 0.2959

# Monochromacy



## Original Color

47.8580, 0.2938, 0.2721

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.1135, 0.3062, 0.3079

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8580, 0.2938, 0.2721 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(197, 175, 223)` looks like.

```
.text, #text, p{  
    color:rgb(197, 175, 223)  
}
```

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(197, 175, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 175, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8580, 0.2938, 0.2721 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(197, 175, 223) }
```

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

```
.border{ border-color:rgb(197, 175, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 175, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 175, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 175, 223);  
box-shadow:4px 4px 4px 4px rgb(197, 175,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8580, 0.2938, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 175, 223) }
```

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

```
.background{ background-color: rgb(197,  
175, 223) }
```

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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