

# Converting Colors

$Yxy(66.8710, 0.2909, 0.2918)$

Have a look what the booklet for  
Yxy(66.8710, 0.2909, 0.2918)  
contains.

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# Color

**Yxy(67.1782, 0.2911, 0.2922)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D3F5
RGB	212, 211, 245
RGB Percent	83%, 83%, 96%
CMY	0.1686, 0.1725, 0.0393
CMYK	0.13, 0.14, 0.00, 0.04
HSL	242°, 63%, 89%
HSV	242°, 14%, 96%
XYZ	66.9253, 67.1782, 95.8014
YIQ	215.1750, -10.3180, 10.7860

# Conversions

## Conversions Part 2

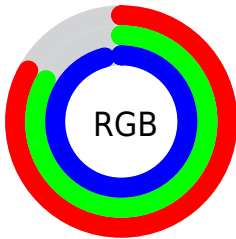
Format	Color
R <sub>Y</sub> B	212, 211, 245
Decimal	13947893
CIE Lab	85.59, 6.92, -16.48
CIE LCh	86, 17.878, 292.768
Yxy	67.1782, 0.2911, 0.2922
Android (android.graphics.Color)	4292137973 (0xFFD4D3F5)
YUV	215.1750, 14.7037, -2.7845
Hunter-Lab	81.9623, 2.3179, -11.9273

# Details

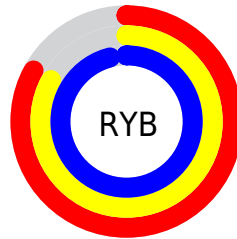
The Yxy color **67.1782, 0.2911, 0.2922** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.2178, 0.3328, 0.3635**, and the grayscale version is **67.9853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.9562, 0.2854, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **52.6451, 0.2730, 0.2616**, and if you desaturate by 10%, it is **84.0917, 0.3071, 0.3194**.

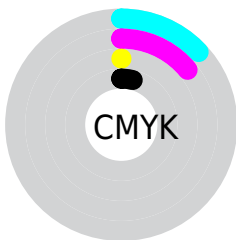
# Distribution



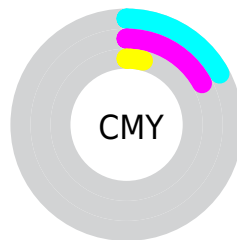
- Red (83%)
- Green (83%)
- Blue (96%)



- Red (83%)
- Yellow (83%)
- Blue (96%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)



- Cyan (17%)
- Magenta (17%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1782, 0.2911, 0.2922 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 67.1782, 0.2911, 0.2922 by changing the saturation by 10% instead.



■ 67.1782, 0.2911,  
0.2922

■ 67.1782, 0.2911,  
0.2922

450.5788, 0.3013,  
0.3092

■ 49.2295, 0.2887,  
0.2884

115.1757, 0.2947,  
0.2981

■ 34.8015, 0.2858,  
0.2836

145.9933, 0.2960,  
0.3003

■ 23.5100, 0.2820,  
0.2776

181.8692, 0.2972,  
0.3023

■ 14.9706, 0.2771,  
0.2699

223.1880, 0.2983,  
0.3040

■ 8.7987, 0.2703,  
0.2594

270.3339, 0.2992,  
0.3055

■ 4.6101, 0.2603,  
0.2445

323.6915, 0.2999,

■ 2.0204, 0.2446,

0.3069

0.2218

383.6449, 0.3007,  
0.3081

0.6193, 0.2173,  
0.1776

0.0000, 0.0000,  
0.0000

67.1782, 0.2911,  
0.2922

67.1782, 0.2911,  
0.2922

52.6451, 0.2730,  
0.2616

84.0917, 0.3071,  
0.3194

40.3779, 0.2532,  
0.2282

99.3708, 0.3185,  
0.3386

30.2648, 0.2321,  
0.1928

22.1815, 0.2108,  
0.1573

■ 15.9910, 0.1907,  
0.1243

■ 11.5393, 0.1735,  
0.0963

■ 8.6484, 0.1607,  
0.0758

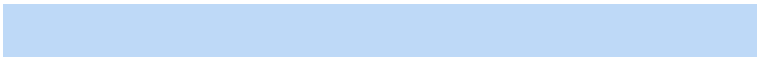
■ 7.1020, 0.1530,  
0.0640

■ 6.6376, 0.1506,  
0.0604

# Harmonies

## Analogous

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



67.1782, 0.2761, 0.2950



67.1782, 0.2911, 0.2922



67.1782, 0.3123, 0.2986

# Triad

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



67.1782, 0.2911, 0.2922



67.1782, 0.3567, 0.3488



67.1782, 0.2908, 0.3464

# Complementary

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



67.1782, 0.2911, 0.2922



89.2178, 0.3328, 0.3635

# 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.



67.1782, 0.3119, 0.3623



67.1782, 0.2911, 0.2922



67.1782, 0.3503, 0.3629

# Square

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



67.1782, 0.2911, 0.2922



67.1782, 0.3508, 0.3304



67.1782, 0.3337, 0.3682



67.1782, 0.2759, 0.3257



# Rectangle

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



67.1782, 0.2911, 0.2922



67.1782, 0.3273, 0.3071



67.1782, 0.3337, 0.3682



67.1782, 0.2974, 0.3525

# Sweetspot

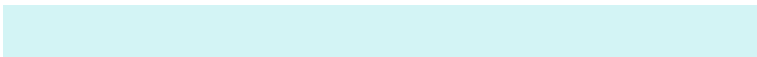
The Sweet Spot groups the original color and five complimentary colors.



67.1810, 0.2911, 0.2922



91.8347, 0.3069, 0.3190



85.3859, 0.2915, 0.3283



19.3382, 0.3057, 0.3171



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.



67.1810, 0.2911, 0.2922



68.2683, 0.2856, 0.2829



69.7671, 0.3026, 0.2934



15.9501, 0.2984, 0.3045



3.5871, 0.1509, 0.0605



0.3233, 0.1532, 0.0618



# Inverse Universe

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



72.5284, 0.3150, 0.2957



75.3098, 0.3156, 0.2879



86.3905, 0.3217, 0.3647



16.7593, 0.3143, 0.3064



13.7794, 0.3284, 0.1583

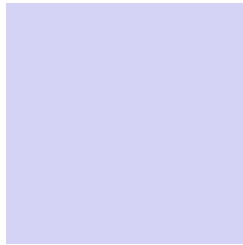


1.2137, 0.3274, 0.1577



# Previews

## White Background



This preview shows how the Yxy color 67.1782, 0.2911, 0.2922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

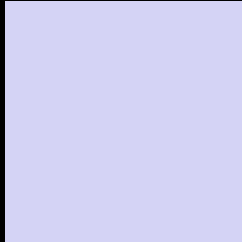
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1782, 0.2911, 0.2922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

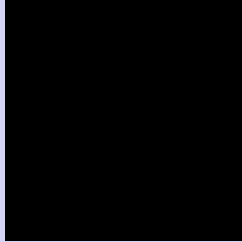
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.1782, 0.2911, 0.2922**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1782, 0.2911, 0.2922.



This preview shows how white text looks on a background with the Yxy color 67.1782, 0.2911, 0.2922.

# 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

67.1782, 0.2911, 0.2922

### Protanopia

67.1507, 0.2878, 0.2920

### Deuteranopia

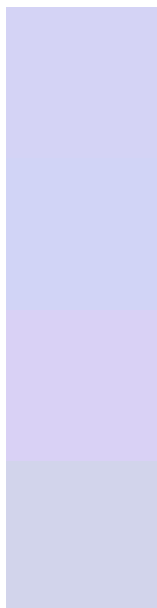
66.9200, 0.2966, 0.2895



## Tritanopia

66.8570, 0.2986, 0.3101

# Trichromacy



## Original Color

67.1782, 0.2911, 0.2922

## Protanomaly

67.2961, 0.2885, 0.2920

## Deuteranomaly

66.9452, 0.2945, 0.2903

## Tritanomaly

66.7868, 0.2960, 0.3036

# Monochromacy



## Original Color

67.1782, 0.2911, 0.2922

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.8803, 0.3047, 0.3157

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1782, 0.2911, 0.2922 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(212, 211, 245)` looks like.

```
.text, #text, p{  
    color:rgb(212, 211, 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(212, 211, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 211, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1782, 0.2911, 0.2922 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(212, 211, 245) }
```

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

```
.border{ border-color:rgb(212, 211, 245) }
```

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

Here you see how a box with a 4 pixel rgb(212, 211, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 211, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 211, 245);  
box-shadow:4px 4px 4px 4px rgb(212, 211,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1782, 0.2911, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 211, 245) }
```

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

```
.background{ background-color: rgb(212,  
211, 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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