

# Converting Colors

$Yxy(67.3047, 0.2892, 0.2864)$

Have a look what the booklet for  
Yxy(67.3047, 0.2892, 0.2864)  
contains.

<b>Yxy(67.2915, 0.2893, 0.2861)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(67.2915, 0.2893, 0.2861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6D2FA
RGB	214, 210, 250
RGB Percent	84%, 82%, 98%
CMY	0.1606, 0.1765, 0.0195
CMYK	0.14, 0.16, 0.00, 0.02
HSL	246°, 80%, 90%
HSV	246°, 16%, 98%
XYZ	68.0441, 67.2915, 99.8671
YIQ	215.7560, -10.4560, 13.2880

# Conversions

## Conversions Part 2

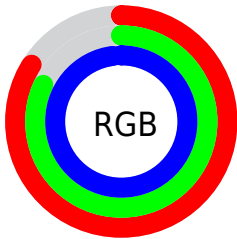
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 210, 250
Decimal	14078714
CIE Lab	85.65, 9.14, -19.06
CIE LCh	86, 21.137, 295.614
Yxy	67.2915, 0.2893, 0.2861
Android (android.graphics.Color)	4292268794 (0xFFD6D2FA)
YUV	215.7560, 16.8823, -1.5400
Hunter-Lab	82.0314, 4.5089, -14.7592

# Details

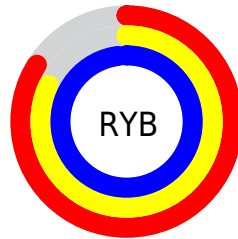
The Yxy color **67.2915, 0.2893, 0.2861** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.6315, 0.3341, 0.3692**, and the grayscale version is **68.3885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.9981, 0.2839, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **52.7459, 0.2721, 0.2552**, and if you desaturate by 10%, it is **84.2380, 0.3045, 0.3139**.

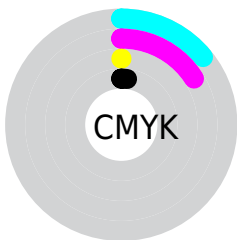
# Distribution



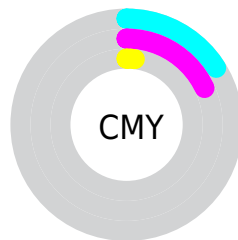
- Red (84%)
- Green (82%)
- Blue (98%)



- Red (84%)
- Yellow (82%)
- Blue (98%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (18%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2915, 0.2893, 0.2861 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 67.2915, 0.2893, 0.2861 by changing the saturation by 10% instead.



67.2915, 0.2893,  
0.2861

67.2915, 0.2893,  
0.2861

450.9817, 0.3004,  
0.3057

49.3216, 0.2867,  
0.2817

115.3380, 0.2932,  
0.2929

34.8746, 0.2835,  
0.2762

146.1833, 0.2947,  
0.2955

23.5663, 0.2795,  
0.2694

182.0893, 0.2960,  
0.2978

15.0122, 0.2741,  
0.2606

223.4402, 0.2971,  
0.2998

8.8280, 0.2667,  
0.2487

270.6205, 0.2980,  
0.3016

4.6291, 0.2560,  
0.2321

324.0146, 0.2989,

2.0314, 0.2391,

0.3031

0.2071

384.0068, 0.2997,  
0.3045

0.6256, 0.2105,  
0.1611

0.0000, 0.0000,  
0.0000

67.2915, 0.2893,  
0.2861

67.2915, 0.2893,  
0.2861

52.7459, 0.2721,  
0.2552

84.2380, 0.3045,  
0.3139

40.4846, 0.2531,  
0.2218

99.6839, 0.3156,  
0.3337

30.3936, 0.2330,  
0.1869

22.3460, 0.2125,  
0.1524

■ 16.2017, 0.1931,  
0.1206

■ 11.8026, 0.1762,  
0.0940

■ 8.9652, 0.1632,  
0.0749

■ 7.4641, 0.1549,  
0.0641

■ 7.1139, 0.1527,  
0.0615

# Harmonies

## Analogous

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



67.2915, 0.2708, 0.2881



67.2915, 0.2893, 0.2861



67.2915, 0.3147, 0.2945

# Triad

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



67.2915, 0.2893, 0.2861



67.2915, 0.3647, 0.3539



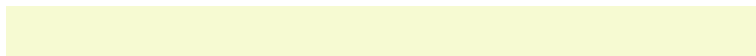
67.2915, 0.2848, 0.3474

# Complementary

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



67.2915, 0.2893, 0.2861



92.6315, 0.3341, 0.3692

# 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.



67.2915, 0.3091, 0.3673



67.2915, 0.2893, 0.2861



67.2915, 0.3556, 0.3700

# Square

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



67.2915, 0.2893, 0.2861



67.2915, 0.3591, 0.3325



67.2915, 0.3350, 0.3755



67.2915, 0.2683, 0.3226



# Rectangle

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



67.2915, 0.2893, 0.2861



67.2915, 0.3324, 0.3049



67.2915, 0.3350, 0.3755



67.2915, 0.2923, 0.3550

# Sweetspot

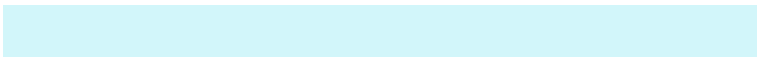
The Sweet Spot groups the original color and five complimentary colors.



67.2943, 0.2893, 0.2861



90.0237, 0.3059, 0.3165



86.5309, 0.2882, 0.3248



18.9800, 0.3050, 0.3147



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.



67.2943, 0.2893, 0.2861



65.5425, 0.2843, 0.2771



70.4875, 0.3032, 0.2878



16.7269, 0.2994, 0.3046



3.8002, 0.1534, 0.0619



0.3790, 0.1603, 0.0657



# Inverse Universe

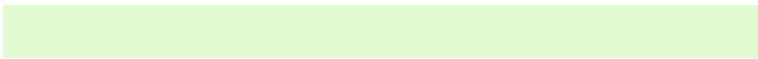
The Inverse Universe completely reimagines the original color for something new.



73.0709, 0.3173, 0.2931



72.5767, 0.3183, 0.2862



89.2114, 0.3209, 0.3709



17.4926, 0.3154, 0.3079



13.6691, 0.3481, 0.1692

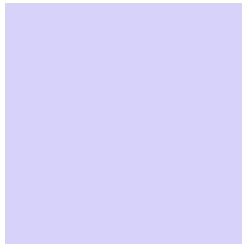


1.2745, 0.3445, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 67.2915, 0.2893, 0.2861 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

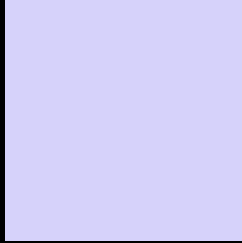
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.2915, 0.2893, 0.2861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

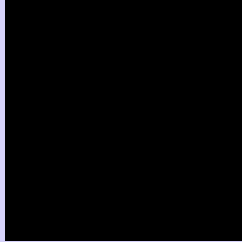
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.2915, 0.2893, 0.2861**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2915, 0.2893, 0.2861.

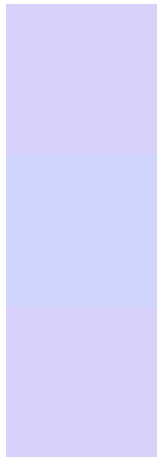


This preview shows how white text looks on a background with the Yxy color 67.2915, 0.2893, 0.2861.

# 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

67.2915, 0.2893, 0.2861

### Protanopia

67.2371, 0.2828, 0.2857

### Deuteranopia

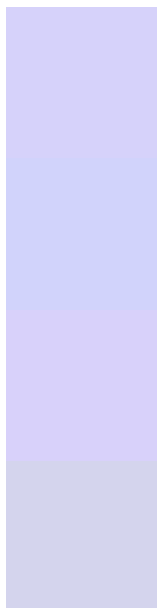
67.2548, 0.2913, 0.2853



## Tritanopia

67.1506, 0.3000, 0.3102

# Trichromacy



## Original Color

67.2915, 0.2893, 0.2861

## Protanomaly

67.1089, 0.2854, 0.2858

## Deuteranomaly

67.1020, 0.2906, 0.2852

## Tritanomaly

67.1984, 0.2962, 0.3016

# Monochromacy



## Original Color

67.2915, 0.2893, 0.2861

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.1416, 0.3041, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2915, 0.2893, 0.2861 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(214, 210, 250)` looks like.

```
.text, #text, p{  
    color:rgb(214, 210, 250)  
}
```

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(214, 210, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 210, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2915, 0.2893, 0.2861 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(214, 210, 250) }
```

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

```
.border{ border-color:rgb(214, 210, 250) }
```

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

Here you see how a box with a 4 pixel rgb(214, 210, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 210, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 210, 250);  
box-shadow:4px 4px 4px 4px rgb(214, 210,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2915, 0.2893, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 210, 250) }
```

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

```
.background{ background-color: rgb(214,  
210, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor