

# Converting Colors

$Yxy(66.3120, 0.2834, 0.2806)$

Have a look what the booklet for  
Yxy(66.3120, 0.2834, 0.2806)  
contains.

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# Color

**Yxy(66.3120, 0.2834, 0.2806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1D1FE
RGB	209, 209, 254
RGB Percent	82%, 82%, 100%
CMY	0.1806, 0.1803, 0.0039
CMYK	0.18, 0.18, 0.00, 0.00
HSL	240°, 96%, 91%
HSV	240°, 18%, 100%
XYZ	66.9737, 66.3120, 103.0365
YIQ	214.1300, -14.4450, 13.9950

# Conversions

## Conversions Part 2

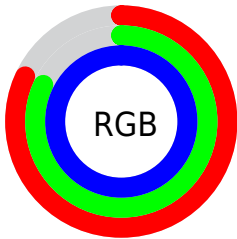
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 209, 254
Decimal	13750782
CIE Lab	85.16, 8.92, -21.95
CIE LCh	85, 23.690, 292.108
Yxy	66.3120, 0.2834, 0.2806
Android (android.graphics.Color)	4291940862 (0xFFD1D1FE)
YUV	214.1300, 19.6559, -4.4990
Hunter-Lab	81.4322, 4.3006, -18.0173

# Details

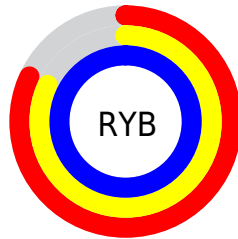
The Yxy color **66.3120, 0.2834, 0.2806** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.5139, 0.3395, 0.3732**, and the grayscale version is **67.2070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.3439, 0.2764, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **51.4300, 0.2640, 0.2486**, and if you desaturate by 10%, it is **83.7709, 0.3008, 0.3093**.

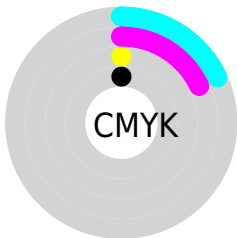
# Distribution



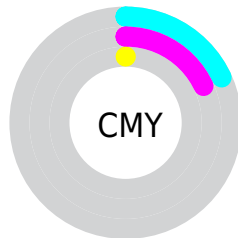
- Red (82%)
- Green (82%)
- Blue (100%)



- Red (82%)
- Yellow (82%)
- Blue (100%)



- Cyan (18%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3120, 0.2834, 0.2806 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 66.3120, 0.2834, 0.2806 by changing the saturation by 10% instead.



■ 66.3120, 0.2834,  
0.2806

■ 66.3120, 0.2834,  
0.2806

447.4919, 0.2972,  
0.3028

■ 48.5257, 0.2802,  
0.2756

113.9340, 0.2882,  
0.2882

■ 34.2434, 0.2762,  
0.2695

144.5386, 0.2901,  
0.2912

■ 23.0806, 0.2712,  
0.2618

180.1846, 0.2917,  
0.2938

■ 14.6531, 0.2645,  
0.2519

221.2566, 0.2931,  
0.2961

■ 8.5763, 0.2554,  
0.2386

268.1390, 0.2943,  
0.2980

■ 4.4658, 0.2423,  
0.2200

321.2160, 0.2954,

■ 1.9374, 0.2218,

0.2998

0.1925

380.8722, 0.2964,  
0.3014

■ 0.5707, 0.1879,  
0.1411

■ 0.0000, 0.0000,  
0.0000

■ 66.3120, 0.2834,  
0.2806

■ 66.3120, 0.2834,  
0.2806

■ 51.4300, 0.2640,  
0.2486

■ 83.7709, 0.3008,  
0.3093

■ 38.9953, 0.2431,  
0.2140

99.9359, 0.3133,  
0.3300

■ 28.8794, 0.2213,  
0.1780

■ 20.9388, 0.2001,  
0.1429

■ 15.0141, 0.1810,  
0.1114

■ 10.9241, 0.1658,  
0.0862

■ 8.4552, 0.1557,  
0.0694

■ 7.3260, 0.1508,  
0.0613

■ 7.1643, 0.1500,  
0.0601

# Harmonies

## Analogous

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



66.3120, 0.2641, 0.2841



66.3120, 0.2834, 0.2806



66.3120, 0.3113, 0.2888

# Triad

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



66.3120, 0.2834, 0.2806



66.3120, 0.3714, 0.3541



66.3120, 0.2841, 0.3528

# Complementary

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



66.3120, 0.2834, 0.2806



96.5139, 0.3395, 0.3732

# 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.



66.3120, 0.3119, 0.3743



66.3120, 0.2834, 0.2806



66.3120, 0.3630, 0.3735

# Square

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



66.3120, 0.2834, 0.2806



66.3120, 0.3633, 0.3299



66.3120, 0.3409, 0.3816



66.3120, 0.2644, 0.3248



# Rectangle

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



66.3120, 0.2834, 0.2806



66.3120, 0.3314, 0.2997



66.3120, 0.3409, 0.3816



66.3120, 0.2928, 0.3612

# Sweetspot

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



66.3147, 0.2834, 0.2806



89.8063, 0.3051, 0.3165



91.5412, 0.2863, 0.3297



18.9274, 0.3040, 0.3146



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.



66.3147, 0.2834, 0.2806



61.7215, 0.2773, 0.2705



69.6762, 0.2983, 0.2826



17.3822, 0.2978, 0.3044



3.7789, 0.1500, 0.0601



0.3694, 0.1501, 0.0603



# Inverse Universe

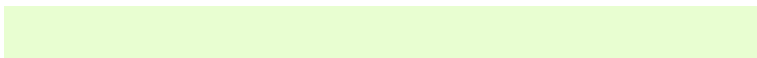
The Inverse Universe completely reimagines the original color for something new.



71.2527, 0.3471, 0.3290



67.4855, 0.3551, 0.3290



92.6801, 0.3252, 0.3753



17.9875, 0.3294, 0.3290



11.1094, 0.6399, 0.3299

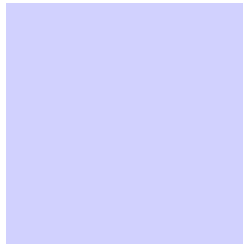


1.0818, 0.6395, 0.3297



# Previews

## White Background



This preview shows how the Yxy color 66.3120, 0.2834, 0.2806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

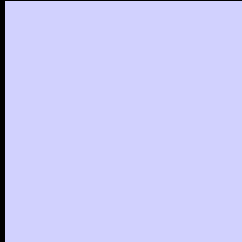
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3120, 0.2834, 0.2806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

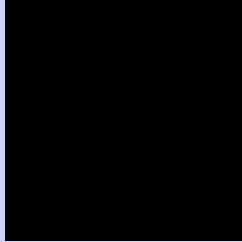
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.3120, 0.2834, 0.2806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3120, 0.2834, 0.2806.



This preview shows how white text looks on a background with the Yxy color 66.3120, 0.2834, 0.2806.

# 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

66.3120, 0.2834, 0.2806

### Protanopia

66.5050, 0.2790, 0.2813

### Deuteranopia

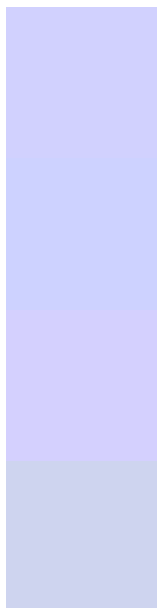
66.4136, 0.2861, 0.2799



## Tritanopia

66.2808, 0.2958, 0.3099

# Trichromacy



## Original Color

66.3120, 0.2834, 0.2806

## Protanomaly

66.2923, 0.2803, 0.2803

## Deuteranomaly

66.2646, 0.2854, 0.2798

## Tritanomaly

66.4408, 0.2908, 0.2991

# Monochromacy



## Original Color

66.3120, 0.2834, 0.2806

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.7412, 0.3013, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3120, 0.2834, 0.2806 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(209, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 254)  
}
```

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(209, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3120, 0.2834, 0.2806 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(209, 209, 254) }
```

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

```
.border{ border-color:rgb(209, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(209, 209,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3120, 0.2834, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 254) }
```

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

```
.background{ background-color: rgb(209,  
209, 254) }
```

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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