

# Converting Colors

$Yxy(67.6018, 0.2845, 0.3070)$

Have a look what the booklet for  
Yxy(67.6018, 0.2845, 0.3070)  
contains.

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# Color

**Yxy(67.7266, 0.2843, 0.3075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2DAED
RGB	194, 218, 237
RGB Percent	76%, 85%, 93%
CMY	0.2390, 0.1451, 0.0705
CMYK	0.18, 0.08, 0.00, 0.07
HSL	207°, 54%, 85%
HSV	207°, 18%, 93%
XYZ	62.6168, 67.7266, 89.9057
YIQ	212.9900, -20.4030, 0.8210

# Conversions

## Conversions Part 2

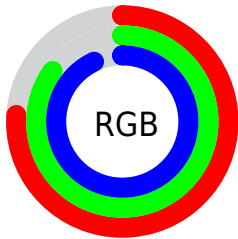
Format	Color
<a href="#">RYB</a>	<a href="#">194, 209, 237</a>
Decimal	<a href="#">12770029</a>
CIELab	<a href="#">85.87, -4.03, -11.99</a>
CIELCh	<a href="#">86, 12.653, 251.437</a>
Yxy	<a href="#">67.7266, 0.2843, 0.3075</a>
Android (android.graphics.Color)	<a href="#">4290960109</a> ( <a href="#">0xFFC2DAED</a> )
YUV	<a href="#">212.9900, 11.8369, -16.6542</a>
Hunter-Lab	<a href="#">82.2962, -8.2027, -7.1649</a>

# Details

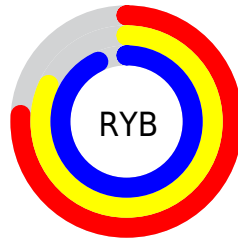
The Yxy color **67.7266, 0.2843, 0.3075** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5330, 0.3443, 0.3496**, and the grayscale version is **66.4696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **35.1060, 0.2777, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **59.5660, 0.2682, 0.2939**, and if you desaturate by 10%, it is **76.7377, 0.3002, 0.3199**.

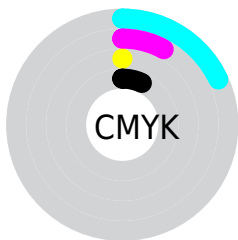
# Distribution



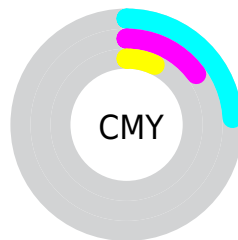
- Red (76%)
- Green (85%)
- Blue (93%)



- Red (76%)
- Yellow (82%)
- Blue (93%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (24%)
- Magenta (15%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7266, 0.2843, 0.3075 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 67.7266, 0.2843, 0.3075 by changing the saturation by 10% instead.



■ 67.7266, 0.2843,  
0.3075

■ 67.7266, 0.2843,  
0.3075

452.5267, 0.2975,  
0.3176

■ 49.6753, 0.2813,  
0.3051

■ 115.9609, 0.2889,  
0.3111

■ 35.1555, 0.2775,  
0.3022

146.9128, 0.2907,  
0.3124

■ 23.7827, 0.2728,  
0.2985

182.9337, 0.2922,  
0.3136

■ 15.1725, 0.2665,  
0.2935

224.4079, 0.2935,  
0.3146

■ 8.9405, 0.2580,  
0.2867

271.7200, 0.2947,  
0.3155

■ 4.7024, 0.2457,  
0.2766

325.2542, 0.2958,

■ 2.0737, 0.2265,

0.3163

0.2605

385.3950, 0.2967,  
0.3170

0.6498, 0.1828,  
0.2288

0.0000, 0.0000,  
0.0000

67.7266, 0.2843,  
0.3075

67.7266, 0.2843,  
0.3075

59.5660, 0.2682,  
0.2939

76.7377, 0.3002,  
0.3199

52.2176, 0.2523,  
0.2790

86.6193, 0.3156,  
0.3310

45.6521, 0.2369,  
0.2631

95.4233, 0.3237,  
0.3411

39.8348, 0.2225,  
0.2463

98.8955, 0.3232,  
0.3463

■ 34.7277, 0.2095,  
0.2290

■ 30.2884, 0.1985,  
0.2115

■ 26.4678, 0.1896,  
0.1944

■ 23.2001, 0.1830,  
0.1779

■ 22.6332, 0.1819,  
0.1749

# Harmonies

## Analogous

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



67.7266, 0.2833, 0.3182



67.7266, 0.2843, 0.3075



67.7266, 0.2927, 0.3028

# Triad

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



67.7266, 0.2843, 0.3075



67.7266, 0.3359, 0.3251



67.7266, 0.3183, 0.3547

# Complementary

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



67.7266, 0.2843, 0.3075



69.5330, 0.3443, 0.3496

# 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.



67.7266, 0.3327, 0.3561



67.7266, 0.2843, 0.3075



67.7266, 0.3431, 0.3385

# Square

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



67.7266, 0.2843, 0.3075



67.7266, 0.3224, 0.3129



67.7266, 0.3419, 0.3500



67.7266, 0.3026, 0.3460



# Rectangle

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



67.7266, 0.2843, 0.3075



67.7266, 0.3016, 0.3034



67.7266, 0.3419, 0.3500



67.7266, 0.3234, 0.3561

# Sweetspot

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



67.7294, 0.2843, 0.3075



94.1118, 0.3050, 0.3235



76.8422, 0.2994, 0.3565



19.9712, 0.3039, 0.3227



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

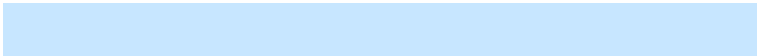


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7294, 0.2843, 0.3075



76.0292, 0.2780, 0.3023



57.4857, 0.2830, 0.2829



15.9409, 0.2981, 0.3183



12.6210, 0.1827, 0.1775



1.1824, 0.1890, 0.2003



# Inverse Universe

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



61.6754, 0.3291, 0.3034



67.7828, 0.3334, 0.2976



80.8380, 0.3405, 0.3713



15.1946, 0.3206, 0.3159



10.7669, 0.4715, 0.2371

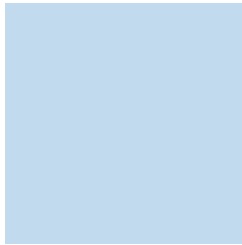


0.8648, 0.4449, 0.2225



# Previews

## White Background



This preview shows how the Yxy color 67.7266, 0.2843, 0.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

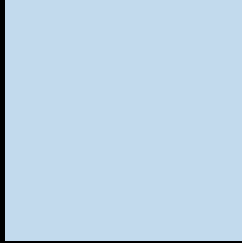
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7266, 0.2843, 0.3075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

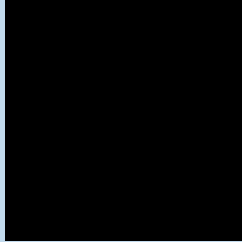
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

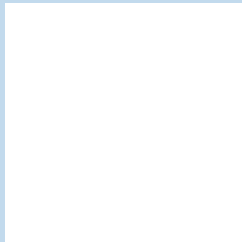
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7266, 0.2843, 0.3075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7266, 0.2843, 0.3075.



This preview shows how white text looks on a background with the Yxy color 67.7266, 0.2843, 0.3075.

# 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

67.7266, 0.2843, 0.3075

### Protanopia

67.5261, 0.2981, 0.3059

### Deuteranopia

67.6802, 0.3033, 0.2970



## Tritanopia

67.6683, 0.2849, 0.3086

# Trichromacy



## Original Color

67.7266, 0.2843, 0.3075

## Protanomaly

67.5782, 0.2927, 0.3068

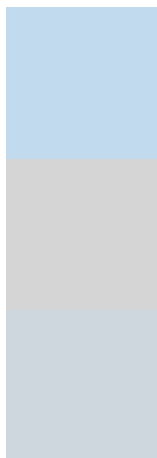
## Deuteranomaly

67.4061, 0.2962, 0.3006

## Tritanomaly

67.6683, 0.2849, 0.3086

# Monochromacy



## Original Color

67.7266, 0.2843, 0.3075

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.9966, 0.3016, 0.3211

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7266, 0.2843, 0.3075 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(194, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(194, 218, 237)  
}
```

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(194, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 218, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7266, 0.2843, 0.3075 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(194, 218, 237) }
```

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

```
.border{ border-color:rgb(194, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(194, 218,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7266, 0.2843, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 218, 237) }
```

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

```
.background{ background-color: rgb(194,  
218, 237) }
```

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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