

# Converting Colors

$Yxy(67.6373, 0.2722, 0.2909)$

Have a look what the booklet for  
Yxy(67.6373, 0.2722, 0.2909)  
contains.

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# Color

**Yxy(67.8624, 0.2719, 0.2911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDAFC
RGB	188, 218, 252
RGB Percent	74%, 85%, 99%
CMY	0.2627, 0.1451, 0.0117
CMYK	0.25, 0.14, 0.00, 0.01
HSL	212°, 92%, 86%
HSV	212°, 25%, 99%
XYZ	63.3864, 67.8624, 101.8752
YIQ	212.9060, -28.7940, 4.2140

# Conversions

## Conversions Part 2

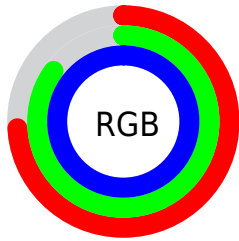
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 208, 252
Decimal	12376828
CIE <sub>Lab</sub>	85.94, -2.55, -19.86
CIE <sub>LCh</sub>	86, 20.022, 262.694
Yxy	67.8624, 0.2719, 0.2911
Android (android.graphics.Color)	4290566908 (0xFFBCDAFC)
YUV	212.9060, 19.2733, -21.8426
Hunter-Lab	82.3786, -6.8154, -15.6571

# Details

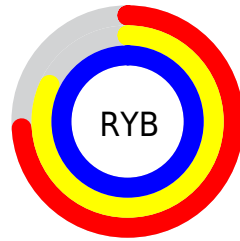
The Yxy color **67.8624, 0.2719, 0.2911** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.5975, 0.3583, 0.3641**, and the grayscale version is **66.3604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **35.2028, 0.2629, 0.2823** is the 20% darker color. If you saturate the color by 10%, you get **58.2685, 0.2551, 0.2734**, and if you desaturate by 10%, it is **78.5823, 0.2884, 0.3073**.

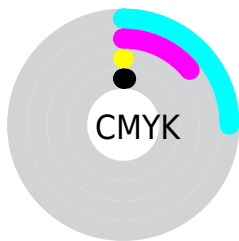
# Distribution



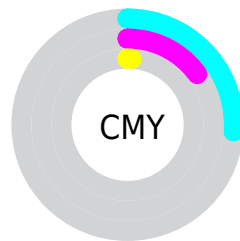
- Red (74%)
- Green (85%)
- Blue (99%)



- Red (74%)
- Yellow (82%)
- Blue (99%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (26%)
- Magenta (15%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8624, 0.2719, 0.2911 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 67.8624, 0.2719, 0.2911 by changing the saturation by 10% instead.



■ 67.8624, 0.2719,  
0.2911

■ 67.8624, 0.2719,  
0.2911

453.0083, 0.2908,  
0.3088

■ 49.7858, 0.2676,  
0.2870

■ 116.1553, 0.2784,  
0.2972

■ 35.2432, 0.2623,  
0.2820

147.1403, 0.2810,  
0.2996

■ 23.8503, 0.2556,  
0.2757

183.1970, 0.2832,  
0.3017

■ 15.2226, 0.2469,  
0.2674

224.7097, 0.2851,  
0.3035

■ 8.9758, 0.2352,  
0.2561

272.0628, 0.2868,  
0.3050

■ 4.7254, 0.2187,  
0.2400

325.6406, 0.2883,

■ 2.0870, 0.1936,

0.3064

0.2154

385.8277, 0.2896,  
0.3077

0.6573, 0.1468,  
0.1715

0.0000, 0.0000,  
0.0000

67.8624, 0.2719,  
0.2911

67.8624, 0.2719,  
0.2911

58.2685, 0.2551,  
0.2734

78.5823, 0.2884,  
0.3073

49.7502, 0.2385,  
0.2542

90.4599, 0.3044,  
0.3218

42.2649, 0.2225,  
0.2340

99.8100, 0.3144,  
0.3318

35.7632, 0.2078,  
0.2131

■ 30.1907, 0.1949,  
0.1921

■ 25.4856, 0.1843,  
0.1717

■ 21.5746, 0.1764,  
0.1525

■ 19.9990, 0.1734,  
0.1441

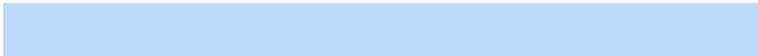
# Harmonies

## Analogous

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



67.8624, 0.2659, 0.3043



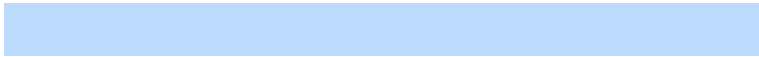
67.8624, 0.2719, 0.2911



67.8624, 0.2885, 0.2881

# Triad

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



67.8624, 0.2719, 0.2911



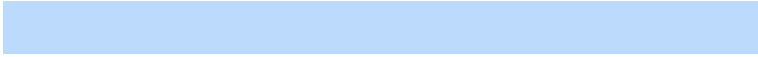
67.8624, 0.3553, 0.3304



67.8624, 0.3117, 0.3664

# Complementary

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



67.8624, 0.2719, 0.2911



76.5975, 0.3583, 0.3641

# 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.



67.8624, 0.3361, 0.3729



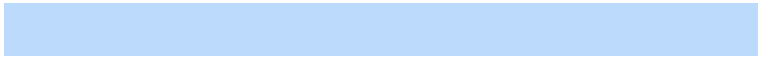
67.8624, 0.2719, 0.2911



67.8624, 0.3619, 0.3508

# Square

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



67.8624, 0.2719, 0.2911



67.8624, 0.3368, 0.3104



67.8624, 0.3546, 0.3667



67.8624, 0.2883, 0.3485



# Rectangle

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



67.8624, 0.2719, 0.2911



67.8624, 0.3038, 0.2918



67.8624, 0.3546, 0.3667



67.8624, 0.3201, 0.3700

# Sweetspot

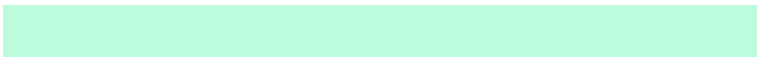
The Sweet Spot groups the original color and five complimentary colors.



67.8651, 0.2719, 0.2911



89.6091, 0.3003, 0.3182



85.5564, 0.2913, 0.3632



18.7806, 0.2979, 0.3160



0.0000, 0.0000, 0.0000

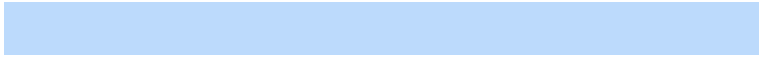


21.4041, 0.3127, 0.3290

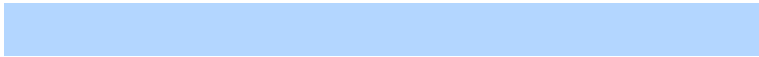


# Same Dimension

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



67.8651, 0.2719, 0.2911



65.0062, 0.2642, 0.2831



53.8316, 0.2695, 0.2564



17.9835, 0.2980, 0.3161



10.7045, 0.1742, 0.1471



1.2016, 0.1804, 0.1695



# Inverse Universe

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



61.7349, 0.3419, 0.2982



58.1722, 0.3489, 0.2923



93.7715, 0.3505, 0.3928



17.3606, 0.3220, 0.3179



11.4915, 0.5096, 0.2581

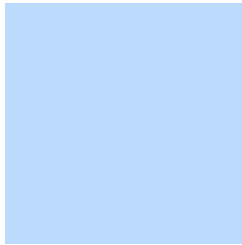


1.0855, 0.4812, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 67.8624, 0.2719, 0.2911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

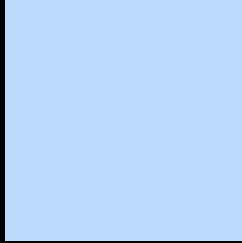
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.8624, 0.2719, 0.2911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

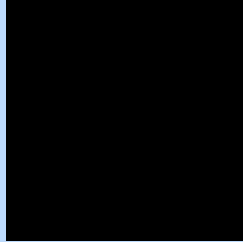
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

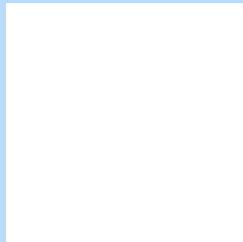
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.8624, 0.2719, 0.2911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8624, 0.2719, 0.2911.



This preview shows how white text looks on a background with the Yxy color 67.8624, 0.2719, 0.2911.

# 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





## Tritanopia

67.6737, 0.2781, 0.3084

# Trichromacy



## Original Color

67.8624, 0.2719, 0.2911

## Protanomaly

67.9205, 0.2809, 0.2907

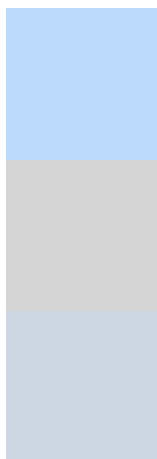
## Deuteranomaly

67.3006, 0.2822, 0.2847

## Tritanomaly

67.5732, 0.2758, 0.3018

# Monochromacy



## Original Color

67.8624, 0.2719, 0.2911

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.9843, 0.2970, 0.3155

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8624, 0.2719, 0.2911 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(188, 218, 252)` looks like.

```
.text, #text, p{  
    color:rgb(188, 218, 252)  
}
```

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(188, 218, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 218, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8624, 0.2719, 0.2911 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(188, 218, 252) }
```

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

```
.border{ border-color:rgb(188, 218, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 218, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 218, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 218, 252);  
box-shadow:4px 4px 4px 4px rgb(188, 218,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8624, 0.2719, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 218, 252) }
```

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

```
.background{ background-color: rgb(188,  
218, 252) }
```

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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