

# Converting Colors

Yxy(68.9801, 0.2690, 0.2990)

Have a look what the booklet for  
Yxy(68.9801, 0.2690, 0.2990)  
contains.

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# Color

**Yxy(68.7854, 0.2692, 0.2985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4DEF9
RGB	180, 222, 249
RGB Percent	71%, 87%, 98%
CMY	0.2943, 0.1294, 0.0236
CMYK	0.28, 0.11, 0.00, 0.02
HSL	203°, 85%, 84%
HSV	203°, 28%, 98%
XYZ	62.0336, 68.7854, 99.6179
YIQ	212.5200, -33.6990, -0.5070

# Conversions

## Conversions Part 2

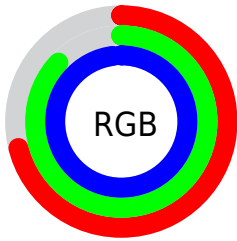
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 206, 249
Decimal	11853561
CIE <sub>Lab</sub>	86.40, -7.66, -17.61
CIE <sub>LCh</sub>	86, 19.204, 246.495
Yxy	68.7854, 0.2692, 0.2985
Android (android.graphics.Color)	4290043641 (0xFFB4DEF9)
YUV	212.5200, 17.9846, -28.5200
Hunter-Lab	82.9370, -11.6287, -13.1590

# Details

The Yxy color **68.7854, 0.2692, 0.2985** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0244, 0.3658, 0.3576**, and the grayscale version is **66.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **35.9233, 0.2591, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **61.0437, 0.2537, 0.2855**, and if you desaturate by 10%, it is **77.3675, 0.2850, 0.3105**.

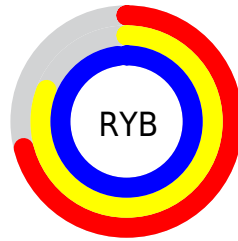
# Distribution



Red (71%)

Green (87%)

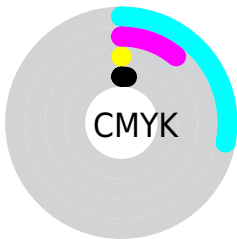
Blue (98%)



Red (71%)

Yellow (81%)

Blue (98%)

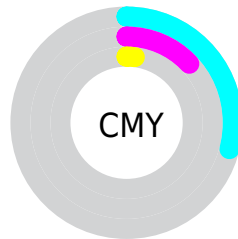


Cyan (28%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (29%)

Magenta (13%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7854, 0.2692, 0.2985 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 68.7854, 0.2692, 0.2985 by changing the saturation by 10% instead.



■ 68.7854, 0.2692,  
0.2985

■ 68.7854, 0.2692,  
0.2985

456.2737, 0.2892,  
0.3129

■ 50.5370, 0.2647,  
0.2952

■ 117.4750, 0.2761,  
0.3035

■ 35.8402, 0.2591,  
0.2910

148.6850, 0.2788,  
0.3055

■ 24.3108, 0.2521,  
0.2857

184.9842, 0.2811,  
0.3072

■ 15.5644, 0.2430,  
0.2788

226.7572, 0.2832,  
0.3086

■ 9.2164, 0.2307,  
0.2692

274.3882, 0.2850,  
0.3099

■ 4.8826, 0.2134,  
0.2553

328.2617, 0.2865,

■ 2.1785, 0.1875,

0.3110

0.2336

388.7621, 0.2880,  
0.3120

0.7083, 0.1345,  
0.1960

0.0000, 0.0000,  
0.0000

68.7854, 0.2692,  
0.2985

68.7854, 0.2692,  
0.2985

61.0437, 0.2537,  
0.2855

77.3675, 0.2850,  
0.3105

54.1005, 0.2388,  
0.2716

86.8133, 0.3008,  
0.3214

47.9220, 0.2251,  
0.2569

97.1550, 0.3162,  
0.3311

42.4679, 0.2128,  
0.2417

99.6187, 0.3162,  
0.3347

■ 37.6933, 0.2025,  
0.2264

■ 33.5458, 0.1943,  
0.2112

■ 29.9572, 0.1882,  
0.1964

■ 29.1963, 0.1870,  
0.1931

# Harmonies

## Analogous

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



68.7854, 0.2696, 0.3156



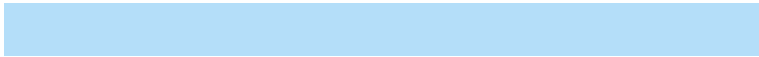
68.7854, 0.2692, 0.2985



68.7854, 0.2799, 0.2902

# Triad

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



68.7854, 0.2692, 0.2985



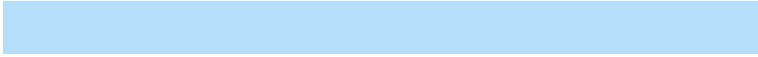
68.7854, 0.3450, 0.3197



68.7854, 0.3247, 0.3695

# Complementary

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



68.7854, 0.2692, 0.2985



68.0244, 0.3658, 0.3576

# 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.



68.7854, 0.3457, 0.3691



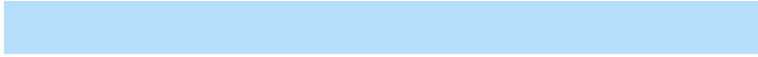
68.7854, 0.2692, 0.2985



68.7854, 0.3579, 0.3396

# Square

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



68.7854, 0.2692, 0.2985



68.7854, 0.3233, 0.3025



68.7854, 0.3580, 0.3578

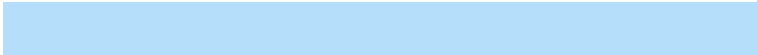


68.7854, 0.3010, 0.3579



# Rectangle

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



68.7854, 0.2692, 0.2985



68.7854, 0.2922, 0.2902



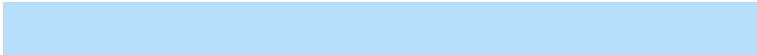
68.7854, 0.3580, 0.3578



68.7854, 0.3323, 0.3708

# Sweetspot

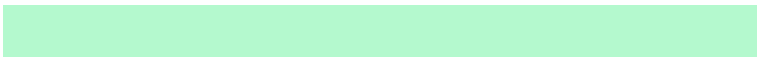
The Sweet Spot groups the original color and five complimentary colors.



68.7882, 0.2692, 0.2985



91.3532, 0.3003, 0.3211



81.9186, 0.2945, 0.3777



19.2199, 0.2979, 0.3195



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

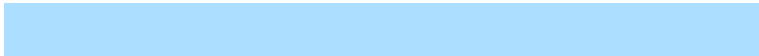


# Same Dimension

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



68.7882, 0.2692, 0.2985



68.1665, 0.2609, 0.2917



52.5103, 0.2651, 0.2583



18.4033, 0.2980, 0.3195



15.9147, 0.1876, 0.1954



1.6801, 0.1925, 0.2131



# Inverse Universe

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



58.0392, 0.3372, 0.2855



55.6095, 0.3434, 0.2768



86.3024, 0.3567, 0.3910



17.4029, 0.3198, 0.3146



12.0175, 0.4505, 0.2255

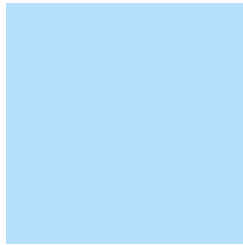


1.1338, 0.4308, 0.2147



# Previews

## White Background



This preview shows how the Yxy color 68.7854, 0.2692, 0.2985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

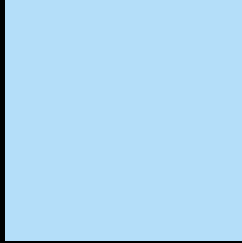
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7854, 0.2692, 0.2985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

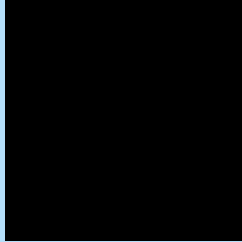
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

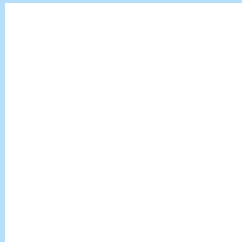
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7854, 0.2692, 0.2985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7854, 0.2692, 0.2985.



This preview shows how white text looks on a background with the Yxy color 68.7854, 0.2692, 0.2985.

# 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

68.7854, 0.2692, 0.2985

### Protanopia

68.4737, 0.2911, 0.2965

### Deuteranopia

68.1183, 0.2921, 0.2856



## Tritanopia

68.5912, 0.2725, 0.3083

# Trichromacy



## Original Color

68.7854, 0.2692, 0.2985

## Protanomaly

68.5589, 0.2828, 0.2970

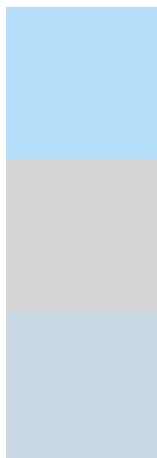
## Deuteranomaly

67.9744, 0.2835, 0.2899

## Tritanomaly

68.8907, 0.2714, 0.3050

# Monochromacy



## Original Color

68.7854, 0.2692, 0.2985

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.0202, 0.2956, 0.3176

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7854, 0.2692, 0.2985 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(180, 222, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 222, 249)  
}
```

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(180, 222, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 222, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7854, 0.2692, 0.2985 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(180, 222, 249) }
```

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

```
.border{ border-color:rgb(180, 222, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 222, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 222, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 222, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 222,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7854, 0.2692, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 222, 249) }
```

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

```
.background{ background-color: rgb(180,  
222, 249) }
```

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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