

# Converting Colors

$Yxy(68.2171, 0.2702, 0.2931)$

Have a look what the booklet for  
Yxy(68.2171, 0.2702, 0.2931)  
contains.

<b>Yxy(68.5290, 0.2703, 0.2932)</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(68.5290, 0.2703, 0.2932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9DCFC
RGB	185, 220, 252
RGB Percent	73%, 86%, 99%
CMY	0.2745, 0.1373, 0.0116
CMYK	0.27, 0.13, 0.00, 0.01
HSL	209°, 92%, 86%
HSV	209°, 27%, 99%
XYZ	63.1766, 68.5290, 102.0222
YIQ	213.1830, -31.1320, 2.5320

# Conversions

## Conversions Part 2

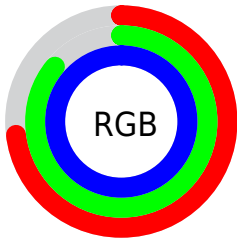
Format	Color
R <sub>Y</sub> B	185, 208, 252
Decimal	12180732
CIE Lab	86.27, -4.46, -19.38
CIE LCh	86, 19.887, 257.033
Yxy	68.5290, 0.2703, 0.2932
Android (android.graphics.Color)	4290370812 (0xFFB9DCFC)
YUV	213.1830, 19.1368, -24.7165
Hunter-Lab	82.7822, -8.6437, -15.1224

# Details

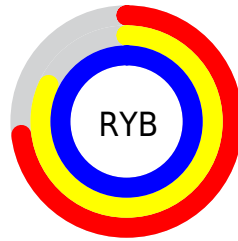
The Yxy color **68.5290, 0.2703, 0.2932** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.8539, 0.3617, 0.3623**, and the grayscale version is **66.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **35.5962, 0.2603, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **59.5727, 0.2540, 0.2772**, and if you desaturate by 10%, it is **78.5020, 0.2866, 0.3078**.

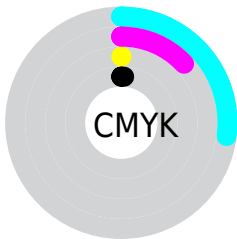
# Distribution



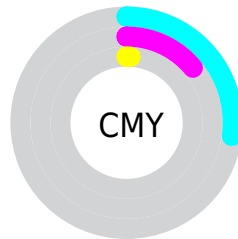
- Red (73%)
- Green (86%)
- Blue (99%)



- Red (73%)
- Yellow (82%)
- Blue (99%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)



- Cyan (27%)
- Magenta (14%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5290, 0.2703, 0.2932 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 68.5290, 0.2703, 0.2932 by changing the saturation by 10% instead.



■ 68.5290, 0.2703,  
0.2932

■ 68.5290, 0.2703,  
0.2932

455.3680, 0.2899,  
0.3099

■ 50.3282, 0.2659,  
0.2893

■ 117.1086, 0.2771,  
0.2990

■ 35.6743, 0.2604,  
0.2846

148.2562, 0.2797,  
0.3013

■ 24.1827, 0.2535,  
0.2785

184.4882, 0.2820,  
0.3032

■ 15.4692, 0.2446,  
0.2706

226.1890, 0.2840,  
0.3049

■ 9.1494, 0.2326,  
0.2599

273.7430, 0.2857,  
0.3064

■ 4.8387, 0.2157,  
0.2444

327.5346, 0.2872,

■ 2.1530, 0.1902,

0.3077

0.2207

387.9481, 0.2886,  
0.3089

0.6942, 0.1423,  
0.1794

0.0000, 0.0000,  
0.0000

68.5290, 0.2703,  
0.2932

68.5290, 0.2703,  
0.2932

59.5727, 0.2540,  
0.2772

78.5020, 0.2866,  
0.3078

51.5861, 0.2380,  
0.2600

89.5200, 0.3025,  
0.3211

44.5300, 0.2229,  
0.2418

99.8106, 0.3144,  
0.3318

38.3586, 0.2092,  
0.2231

■ 33.0212, 0.1973,  
0.2042

■ 28.4596, 0.1877,  
0.1856

■ 24.6030, 0.1805,  
0.1679

■ 23.4177, 0.1784,  
0.1621

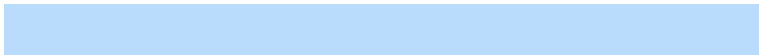
# Harmonies

## Analogous

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



68.5290, 0.2666, 0.3080



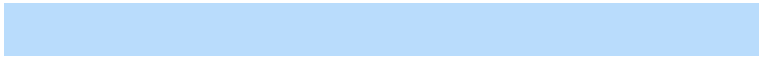
68.5290, 0.2703, 0.2932



68.5290, 0.2850, 0.2883

# Triad

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



68.5290, 0.2703, 0.2932



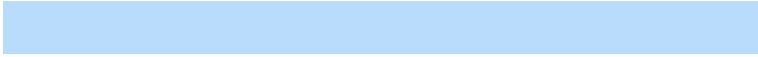
68.5290, 0.3522, 0.3264



68.5290, 0.3164, 0.3682

# Complementary

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



68.5290, 0.2703, 0.2932



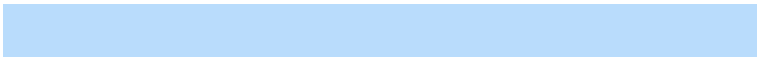
73.8539, 0.3617, 0.3623

# 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.



68.5290, 0.3400, 0.3722



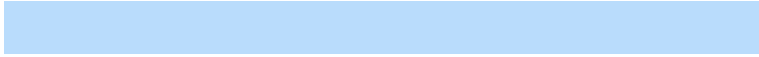
68.5290, 0.2703, 0.2932



68.5290, 0.3612, 0.3470

# Square

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



68.5290, 0.2703, 0.2932



68.5290, 0.3322, 0.3072



68.5290, 0.3566, 0.3640

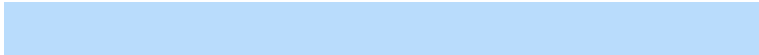


68.5290, 0.2926, 0.3523



# Rectangle

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



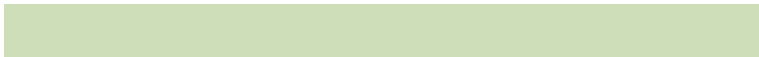
68.5290, 0.2703, 0.2932



68.5290, 0.2994, 0.2907



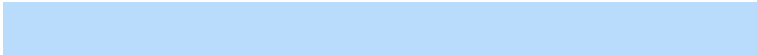
68.5290, 0.3566, 0.3640



68.5290, 0.3246, 0.3710

# Sweetspot

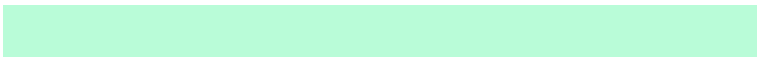
The Sweet Spot groups the original color and five complimentary colors.



68.5317, 0.2703, 0.2932



90.2701, 0.3003, 0.3193



84.9316, 0.2922, 0.3689



18.9469, 0.2979, 0.3173



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

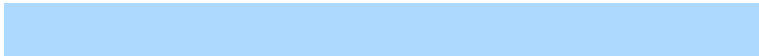


# Same Dimension

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



68.5317, 0.2703, 0.2932



65.2610, 0.2614, 0.2847



52.9889, 0.2666, 0.2550



18.1425, 0.2980, 0.3174



12.4921, 0.1792, 0.1650



1.3694, 0.1850, 0.1859



# Inverse Universe

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



60.5704, 0.3407, 0.2931



56.2586, 0.3483, 0.2854



92.4536, 0.3536, 0.3936



17.3766, 0.3212, 0.3167



11.6720, 0.4869, 0.2456

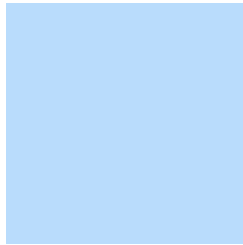


1.1025, 0.4616, 0.2317



# Previews

## White Background



This preview shows how the Yxy color 68.5290, 0.2703, 0.2932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

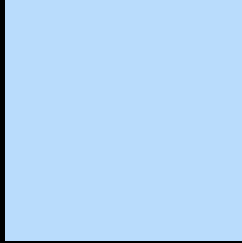
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5290, 0.2703, 0.2932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

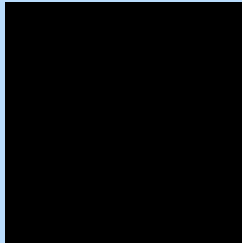
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

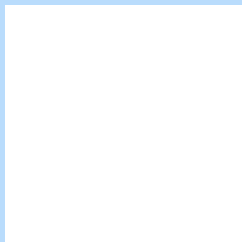
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.5290, 0.2703, 0.2932**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5290, 0.2703, 0.2932.

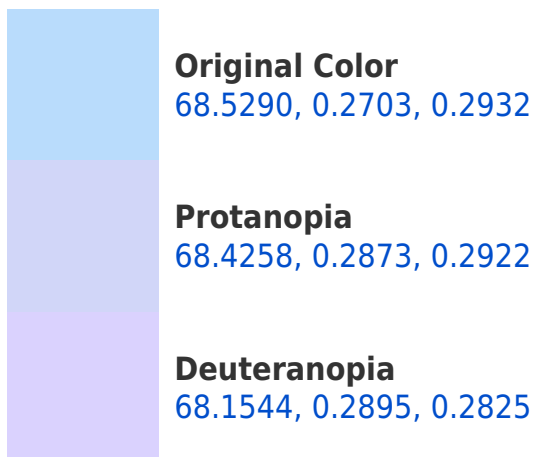


This preview shows how white text looks on a background with the Yxy color 68.5290, 0.2703, 0.2932.

# 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

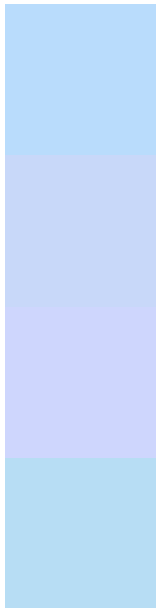




## Tritanopia

68.4789, 0.2753, 0.3084

# Trichromacy



**Original Color**

68.5290, 0.2703, 0.2932

**Protanomaly**

68.2306, 0.2809, 0.2928

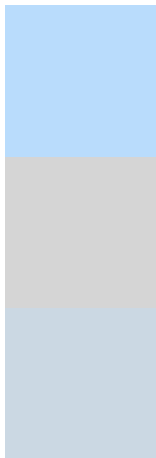
**Deuteranomaly**

68.3068, 0.2824, 0.2869

**Tritanomaly**

68.3118, 0.2736, 0.3029

# Monochromacy



**Original Color**

68.5290, 0.2703, 0.2932

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.3543, 0.2963, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5290, 0.2703, 0.2932 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(185, 220, 252)` looks like.

```
.text, #text, p{  
    color:rgb(185, 220, 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(185, 220, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 220, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5290, 0.2703, 0.2932 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(185, 220, 252) }
```

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

```
.border{ border-color:rgb(185, 220, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 220, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 220, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 220, 252); box-shadow:4px 4px 4px 4px rgb(185, 220, 252) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5290, 0.2703, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 220, 252) }
```

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

```
.background{ background-color: rgb(185,  
220, 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](#).

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