

# Converting Colors

Yxy(68.8830, 0.2690, 0.2904)

Have a look what the booklet for  
Yxy(68.8830, 0.2690, 0.2904)  
contains.

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# Color

**Yxy(68.7207, 0.2687, 0.2901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9DCFF
RGB	185, 220, 255
RGB Percent	73%, 86%, 100%
CMY	0.2745, 0.1372, 0.0000
CMYK	0.27, 0.14, 0.00, 0.00
HSL	210°, 100%, 86%
HSV	210°, 27%, 100%
XYZ	63.6513, 68.7207, 104.5142
YIQ	213.5250, -32.0950, 3.4650

# Conversions

## Conversions Part 2

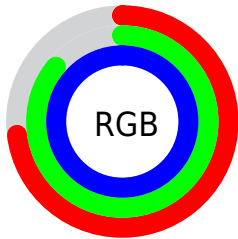
Format	Color
R <sub>Y</sub> B	185, 208, 255
Decimal	12180735
CIE Lab	86.37, -3.78, -20.80
CIE LCh	86, 21.137, 259.690
Yxy	68.7207, 0.2687, 0.2901
Android (android.graphics.Color)	4290370815 (0xFFB9DCFF)
YUV	213.5250, 20.4472, -25.0164
Hunter-Lab	82.8979, -8.0142, -16.7217

# Details

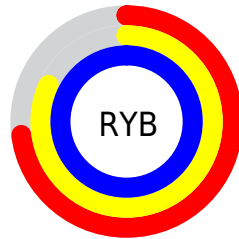
The Yxy color **68.7207, 0.2687, 0.2901** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.9508, 0.3632, 0.3649**, and the grayscale version is **66.7883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **35.7333, 0.2583, 0.2810** is the 20% darker color. If you saturate the color by 10%, you get **59.3916, 0.2522, 0.2732**, and if you desaturate by 10%, it is **79.1345, 0.2851, 0.3056**.

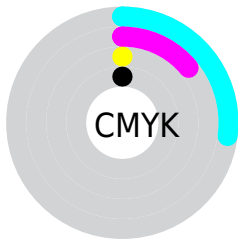
# Distribution



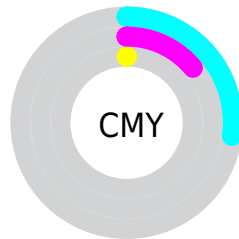
- Red (73%)
- Green (86%)
- Blue (100%)



- Red (73%)
- Yellow (82%)
- Blue (100%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7207, 0.2687, 0.2901 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 68.7207, 0.2687, 0.2901 by changing the saturation by 10% instead.



68.7207, 0.2687,  
0.2901

68.7207, 0.2687,  
0.2901

456.0453, 0.2890,  
0.3082

50.4843, 0.2641,  
0.2859

117.3826, 0.2757,  
0.2964

35.7983, 0.2585,  
0.2808

148.5768, 0.2784,  
0.2989

24.2785, 0.2514,  
0.2743

184.8591, 0.2808,  
0.3010

15.5403, 0.2422,  
0.2658

226.6138, 0.2829,  
0.3028

9.1995, 0.2298,  
0.2544

274.2254, 0.2847,  
0.3044

4.8715, 0.2125,  
0.2380

328.0783, 0.2863,

2.1721, 0.1866,

0.3058

0.2132

388.5568, 0.2877,  
0.3071

0.7047, 0.1399,  
0.1707

0.0000, 0.0000,  
0.0000

68.7207, 0.2687,  
0.2901

68.7207, 0.2687,  
0.2901

59.3916, 0.2522,  
0.2732

79.1345, 0.2851,  
0.3056

51.0971, 0.2360,  
0.2550

90.6638, 0.3012,  
0.3196

43.7952, 0.2207,  
0.2359

99.9998, 0.3127,  
0.3290

37.4367, 0.2067,  
0.2162

■ 31.9671, 0.1947,  
0.1964

■ 27.3238, 0.1851,  
0.1771

■ 23.4286, 0.1779,  
0.1590

■ 22.5278, 0.1763,  
0.1545

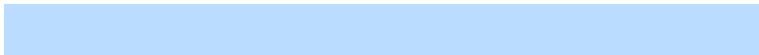
# Harmonies

## Analogous

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



68.7207, 0.2637, 0.3049



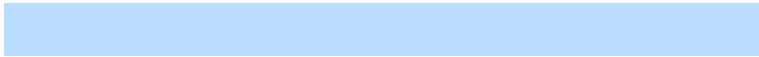
68.7207, 0.2687, 0.2901



68.7207, 0.2851, 0.2859

# Triad

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



68.7207, 0.2687, 0.2901



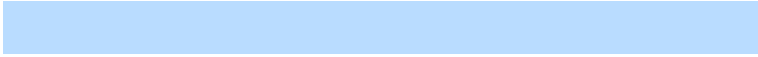
68.7207, 0.3561, 0.3282



68.7207, 0.3143, 0.3697

# Complementary

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



68.7207, 0.2687, 0.2901



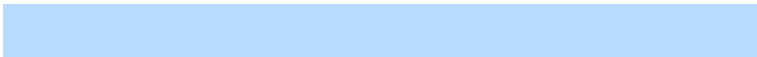
75.9508, 0.3632, 0.3649

# 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.



68.7207, 0.3396, 0.3751



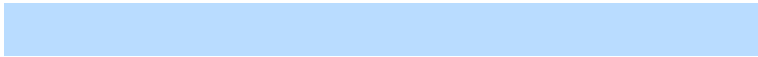
68.7207, 0.2687, 0.2901



68.7207, 0.3644, 0.3498

# Square

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



68.7207, 0.2687, 0.2901



68.7207, 0.3356, 0.3075



68.7207, 0.3582, 0.3673

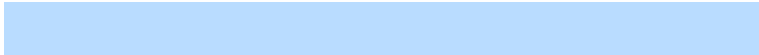


68.7207, 0.2893, 0.3518



# Rectangle

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



68.7207, 0.2687, 0.2901



68.7207, 0.3008, 0.2891



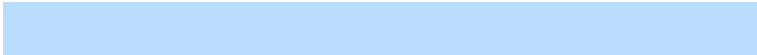
68.7207, 0.3582, 0.3673



68.7207, 0.3230, 0.3731

# Sweetspot

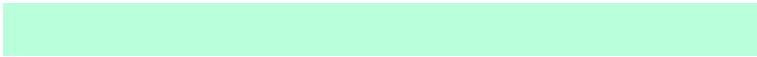
The Sweet Spot groups the original color and five complimentary colors.



68.7234, 0.2687, 0.2901



89.9980, 0.3003, 0.3188



86.9398, 0.2910, 0.3691



18.8784, 0.2979, 0.3168



0.0000, 0.0000, 0.0000

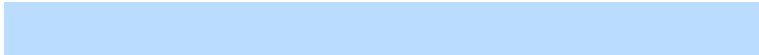


21.4041, 0.3127, 0.3290

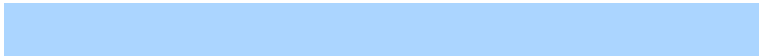


# Same Dimension

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



68.7234, 0.2687, 0.2901



63.4119, 0.2595, 0.2809



52.7271, 0.2647, 0.2508



18.8784, 0.2979, 0.3168



12.0701, 0.1771, 0.1574



1.3936, 0.1828, 0.1779



# Inverse Universe

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



61.1287, 0.3432, 0.2934



55.1295, 0.3514, 0.2858



95.5392, 0.3546, 0.3968



18.1386, 0.3215, 0.3172



11.9464, 0.4964, 0.2508

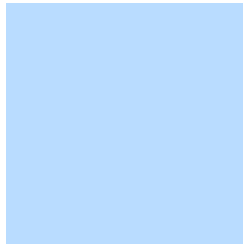


1.1852, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 68.7207, 0.2687, 0.2901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

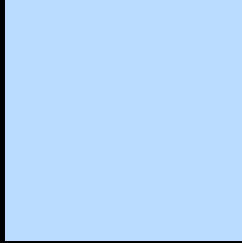
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7207, 0.2687, 0.2901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

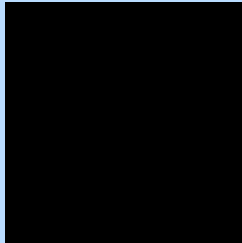
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

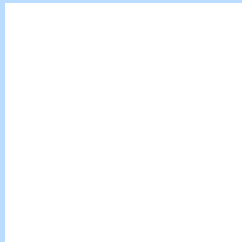
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7207, 0.2687, 0.2901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7207, 0.2687, 0.2901.

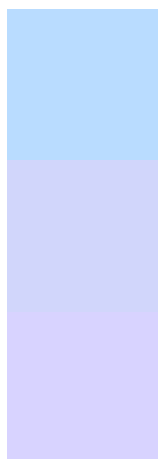


This preview shows how white text looks on a background with the Yxy color 68.7207, 0.2687, 0.2901.

# 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

68.7207, 0.2687, 0.2901

### Protanopia

68.6135, 0.2855, 0.2891

### Deuteranopia

68.4075, 0.2876, 0.2824



## Tritanopia

68.4789, 0.2753, 0.3084

# Trichromacy



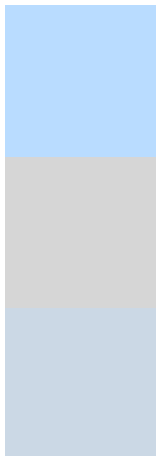
**Original Color**  
68.7207, 0.2687, 0.2901

**Protanomaly**  
68.4194, 0.2792, 0.2897

**Deuteranomaly**  
68.2923, 0.2805, 0.2848

**Tritanomaly**  
68.3728, 0.2731, 0.3018

# Monochromacy



**Original Color**  
68.7207, 0.2687, 0.2901

**Achromatopsia**  
67.2443, 0.3127, 0.3290

**Achromatomaly**  
67.4654, 0.2951, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7207, 0.2687, 0.2901 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 220, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7207, 0.2687, 0.2901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

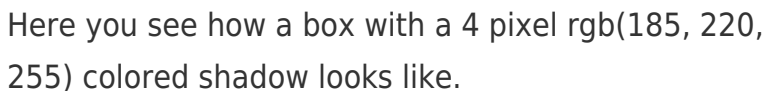
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 220, 255) }
```

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

```
.border{ border-color:rgb(185, 220, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 220, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 220, 255); box-shadow:4px 4px 4px 4px rgb(185, 220, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7207, 0.2687, 0.2901 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, 255) }
```

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

```
.background{ background-color: rgb(185,  
220, 255) }
```

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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