

# Converting Colors

$Yxy(66.6344, 0.2698, 0.2849)$

Have a look what the booklet for  
Yxy(66.6344, 0.2698, 0.2849)  
contains.

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# Color

**Yxy(66.5122, 0.2699, 0.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCD7FF
RGB	188, 215, 255
RGB Percent	74%, 84%, 100%
CMY	0.2630, 0.1568, 0.0000
CMYK	0.26, 0.16, 0.00, 0.00
HSL	216°, 100%, 87%
HSV	216°, 26%, 100%
XYZ	63.0767, 66.5122, 104.1152
YIQ	211.4870, -28.9320, 6.7160

# Conversions

## Conversions Part 2

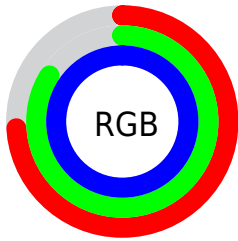
Format	Color
R <sub>Y</sub> B	188, 207, 255
Decimal	12376063
CIE Lab	85.26, -0.32, -22.46
CIE LCh	85, 22.458, 269.171
Yxy	66.5122, 0.2699, 0.2846
Android (android.graphics.Color)	4290566143 (0xFFBCD7FF)
YUV	211.4870, 21.4519, -20.5981
Hunter-Lab	81.5550, -4.6648, -18.6026

# Details

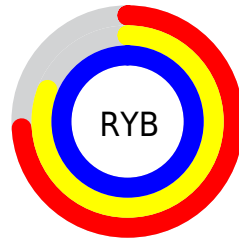
The Yxy color **66.5122, 0.2699, 0.2846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **80.3253, 0.3591, 0.3697**, and the grayscale version is **65.3446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **34.2054, 0.2596, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **56.1725, 0.2525, 0.2644**, and if you desaturate by 10%, it is **78.1485, 0.2868, 0.3030**.

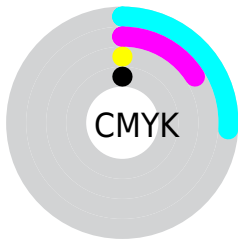
# Distribution



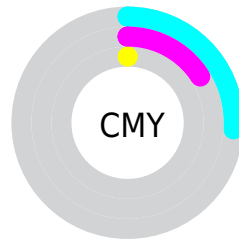
- Red (74%)
- Green (84%)
- Blue (100%)



- Red (74%)
- Yellow (81%)
- Blue (100%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5122, 0.2699, 0.2846 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 66.5122, 0.2699, 0.2846 by changing the saturation by 10% instead.



■ 66.5122, 0.2699,  
0.2846

■ 66.5122, 0.2699,  
0.2846

448.2065, 0.2898,  
0.3052

■ 48.6883, 0.2654,  
0.2799

■ 114.2212, 0.2768,  
0.2918

■ 34.3723, 0.2598,  
0.2741

144.8750, 0.2795,  
0.2945

■ 23.1798, 0.2527,  
0.2667

180.5743, 0.2818,  
0.2969

■ 14.7263, 0.2435,  
0.2572

221.7035, 0.2838,  
0.2990

■ 8.6275, 0.2311,  
0.2443

268.6469, 0.2856,  
0.3009

■ 4.4990, 0.2136,  
0.2260

321.7889, 0.2871,

■ 1.9564, 0.1872,

0.3025

0.1984

381.5140, 0.2885,  
0.3039

0.5820, 0.1385,  
0.1478

0.0000, 0.0000,  
0.0000

66.5122, 0.2699,  
0.2846

66.5122, 0.2699,  
0.2846

56.1725, 0.2525,  
0.2644

78.1485, 0.2868,  
0.3030

47.0720, 0.2352,  
0.2427

91.1202, 0.3030,  
0.3195

39.1599, 0.2184,  
0.2198

99.9996, 0.3127,  
0.3290

32.3786, 0.2029,  
0.1963

■ 26.6645, 0.1894,  
0.1731

■ 21.9454, 0.1784,  
0.1510

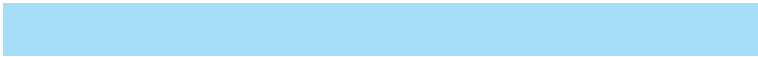
■ 18.1362, 0.1702,  
0.1309

■ 16.9176, 0.1678,  
0.1240

# Harmonies

## Analogous

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



66.5122, 0.2604, 0.2969



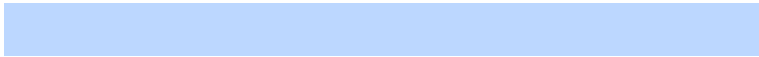
66.5122, 0.2699, 0.2846



66.5122, 0.2907, 0.2839

# Triad

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



66.5122, 0.2699, 0.2846



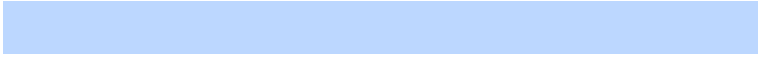
66.5122, 0.3638, 0.3355



66.5122, 0.3054, 0.3680

# Complementary

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



66.5122, 0.2699, 0.2846



80.3253, 0.3591, 0.3697

# 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.



66.5122, 0.3333, 0.3785



66.5122, 0.2699, 0.2846



66.5122, 0.3678, 0.3579

# Square

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



66.5122, 0.2699, 0.2846



66.5122, 0.3453, 0.3125



66.5122, 0.3564, 0.3741



66.5122, 0.2803, 0.3455



# Rectangle

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



66.5122, 0.2699, 0.2846



66.5122, 0.3087, 0.2896



66.5122, 0.3564, 0.3741



66.5122, 0.3148, 0.3731

# Sweetspot

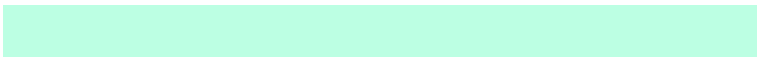
The Sweet Spot groups the original color and five complimentary colors.



66.5149, 0.2699, 0.2846



88.8191, 0.3003, 0.3169



87.7488, 0.2883, 0.3596



18.5821, 0.2979, 0.3144



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.



66.5149, 0.2699, 0.2846



60.4645, 0.2600, 0.2733



54.5667, 0.2707, 0.2541



18.5821, 0.2979, 0.3144



9.1143, 0.1686, 0.1270



1.0950, 0.1748, 0.1493



# Inverse Universe

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



62.1066, 0.3468, 0.3013



55.7744, 0.3568, 0.2950



95.3588, 0.3488, 0.3958



18.1087, 0.3230, 0.3194



11.6481, 0.5368, 0.2731

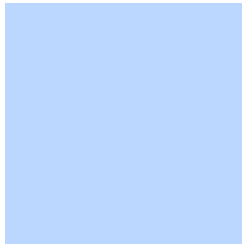


1.1551, 0.5068, 0.2566



# Previews

## White Background



This preview shows how the Yxy color 66.5122, 0.2699, 0.2846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

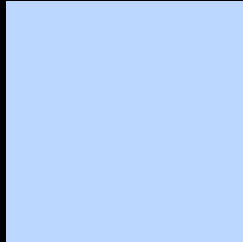
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5122, 0.2699, 0.2846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

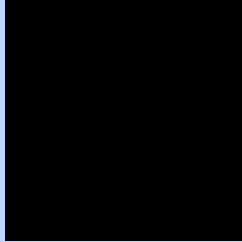
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

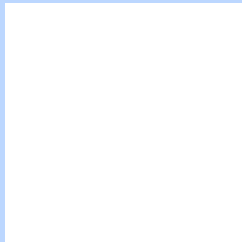
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5122, 0.2699, 0.2846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5122, 0.2699, 0.2846.



This preview shows how white text looks on a background with the Yxy color 66.5122, 0.2699, 0.2846.

# 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

66.5122, 0.2699, 0.2846

### Protanopia

66.4542, 0.2814, 0.2844

### Deuteranopia

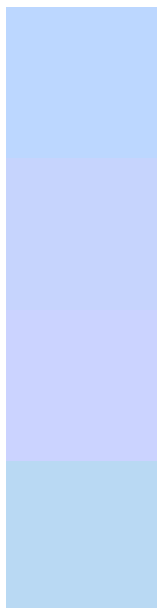
66.3288, 0.2848, 0.2788



## Tritanopia

66.3893, 0.2785, 0.3082

# Trichromacy



## Original Color

66.5122, 0.2699, 0.2846

## Protanomaly

66.1846, 0.2770, 0.2840

## Deuteranomaly

66.5050, 0.2790, 0.2813

## Tritanomaly

66.4111, 0.2750, 0.2994

# Monochromacy



## Original Color

66.5122, 0.2699, 0.2846

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.3295, 0.2963, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5122, 0.2699, 0.2846 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, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 215, 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(188, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 215, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5122, 0.2699, 0.2846 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, 215, 255) }
```

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

```
.border{ border-color:rgb(188, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 215,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5122, 0.2699, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 215, 255) }
```

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

```
.background{ background-color: rgb(188,  
215, 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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