

# Converting Colors

$Yxy(66.9782, 0.2741, 0.2921)$

Have a look what the booklet for  
Yxy(66.9782, 0.2741, 0.2921)  
contains.

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# Color

**Yxy(66.7701, 0.2740, 0.2921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD8F9
RGB	189, 216, 249
RGB Percent	74%, 85%, 98%
CMY	0.2589, 0.1529, 0.0236
CMYK	0.24, 0.13, 0.00, 0.02
HSL	213°, 83%, 86%
HSV	213°, 24%, 98%
XYZ	62.6327, 66.7701, 99.1837
YIQ	211.6890, -26.6850, 4.5390

# Conversions

## Conversions Part 2

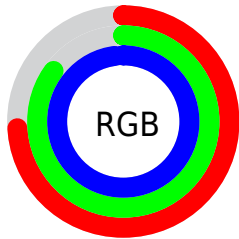
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 208, 249
Decimal	12441849
CIELab	85.39, -1.91, -19.07
CIELCh	85, 19.165, 264.268
Yxy	66.7701, 0.2740, 0.2921
Android (android.graphics.Color)	4290631929 (0xFFBDD8F9)
YUV	211.6890, 18.3943, -19.8983
Hunter-Lab	81.7130, -6.1781, -14.7674

# Details

The Yxy color **66.7701, 0.2740, 0.2921** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.0153, 0.3553, 0.3633**, and the grayscale version is **65.5085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **34.4909, 0.2647, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **57.1383, 0.2571, 0.2740**, and if you desaturate by 10%, it is **77.5371, 0.2905, 0.3086**.

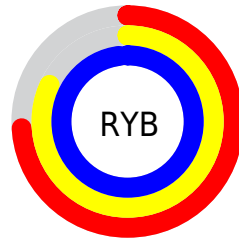
# Distribution



Red (74%)

Green (85%)

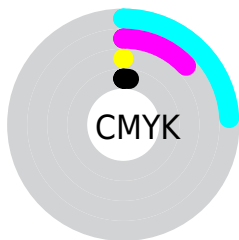
Blue (98%)



Red (74%)

Yellow (82%)

Blue (98%)

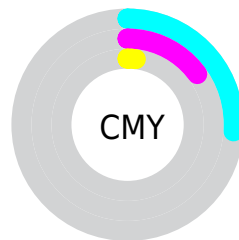


Cyan (24%)

Magenta (13%)

Yellow (0%)

Black (2%)



Cyan (26%)

Magenta (15%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7701, 0.2740, 0.2921 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 66.7701, 0.2740, 0.2921 by changing the saturation by 10% instead.



■ 66.7701, 0.2740,  
0.2921

■ 66.7701, 0.2740,  
0.2921

449.1260, 0.2920,  
0.3093

■ 48.8978, 0.2699,  
0.2881

■ 114.5909, 0.2802,  
0.2981

■ 34.5384, 0.2648,  
0.2832

145.3083, 0.2827,  
0.3004

■ 23.3075, 0.2584,  
0.2770

181.0761, 0.2848,  
0.3024

■ 14.8208, 0.2500,  
0.2688

222.2787, 0.2866,  
0.3042

■ 8.6937, 0.2387,  
0.2577

269.3007, 0.2882,  
0.3057

■ 4.5419, 0.2225,  
0.2418

322.5263, 0.2896,

■ 1.9811, 0.1978,

0.3071

0.2172

382.3399, 0.2909,  
0.3083

0.5965, 0.1486,  
0.1704

0.0000, 0.0000,  
0.0000

66.7701, 0.2740,  
0.2921

66.7701, 0.2740,  
0.2921

57.1383, 0.2571,  
0.2740

77.5371, 0.2905,  
0.3086

48.5917, 0.2402,  
0.2543

89.4708, 0.3064,  
0.3234

41.0877, 0.2239,  
0.2335

99.6177, 0.3162,  
0.3348

34.5777, 0.2088,  
0.2120

■ 29.0078, 0.1953,  
0.1903

■ 24.3176, 0.1842,  
0.1692

■ 20.4358, 0.1758,  
0.1494

■ 18.4700, 0.1718,  
0.1385

# Harmonies

## Analogous

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



66.7701, 0.2676, 0.3044



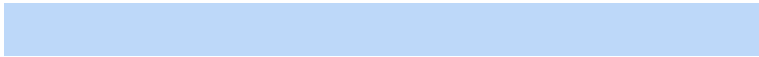
66.7701, 0.2740, 0.2921



66.7701, 0.2905, 0.2897

# Triad

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



66.7701, 0.2740, 0.2921



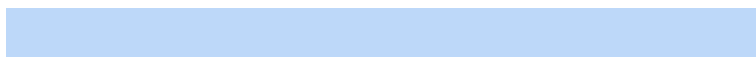
66.7701, 0.3543, 0.3314



66.7701, 0.3105, 0.3643

# Complementary

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



66.7701, 0.2740, 0.2921



76.0153, 0.3553, 0.3633

# 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.



66.7701, 0.3341, 0.3712



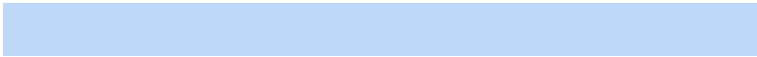
66.7701, 0.2740, 0.2921



66.7701, 0.3600, 0.3510

# Square

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



66.7701, 0.2740, 0.2921



66.7701, 0.3371, 0.3120



66.7701, 0.3524, 0.3659



66.7701, 0.2882, 0.3466



# Rectangle

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



66.7701, 0.2740, 0.2921



66.7701, 0.3054, 0.2936



66.7701, 0.3524, 0.3659



66.7701, 0.3186, 0.3679

# Sweetspot

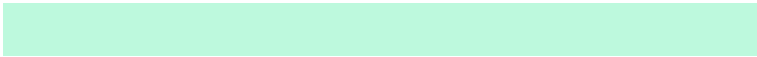
The Sweet Spot groups the original color and five complimentary colors.



66.7728, 0.2740, 0.2921



90.6727, 0.3019, 0.3193



83.7680, 0.2918, 0.3601



19.2418, 0.3009, 0.3184



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.



66.7728, 0.2740, 0.2921



65.3334, 0.2657, 0.2833



54.2974, 0.2727, 0.2609



17.9312, 0.2979, 0.3156



10.1641, 0.1726, 0.1415



1.1498, 0.1790, 0.1642



# Inverse Universe

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



61.4790, 0.3409, 0.3009



59.2024, 0.3485, 0.2949



91.1747, 0.3478, 0.3896



17.3553, 0.3223, 0.3184



11.4370, 0.5171, 0.2622

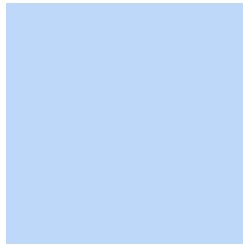


1.0803, 0.4878, 0.2461



# Previews

## White Background



This preview shows how the Yxy color 66.7701, 0.2740, 0.2921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

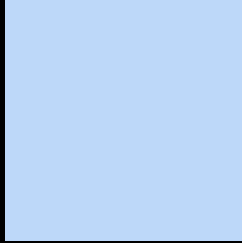
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7701, 0.2740, 0.2921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

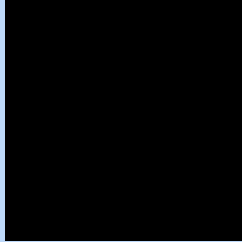
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

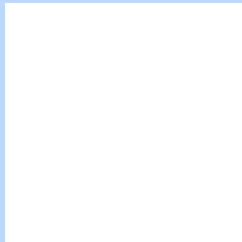
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7701, 0.2740, 0.2921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7701, 0.2740, 0.2921.



This preview shows how white text looks on a background with the Yxy color 66.7701, 0.2740, 0.2921.

# 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

66.7701, 0.2740, 0.2921

### Protanopia

66.5078, 0.2871, 0.2908

### Deuteranopia

66.5239, 0.2893, 0.2830



## Tritanopia

66.6380, 0.2797, 0.3083

# Trichromacy



## Original Color

66.7701, 0.2740, 0.2921

## Protanomaly

66.5833, 0.2819, 0.2915

## Deuteranomaly

66.6125, 0.2840, 0.2866

## Tritanomaly

66.5414, 0.2774, 0.3017

# Monochromacy



## Original Color

66.7701, 0.2740, 0.2921

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.8621, 0.2983, 0.3154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7701, 0.2740, 0.2921 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(189, 216, 249)` looks like.

```
.text, #text, p{  
    color:rgb(189, 216, 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(189, 216, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 216, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7701, 0.2740, 0.2921 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(189, 216, 249) }
```

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

```
.border{ border-color:rgb(189, 216, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 216, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 216, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 216, 249);  
box-shadow:4px 4px 4px 4px rgb(189, 216,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7701, 0.2740, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 216, 249) }
```

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

```
.background{ background-color: rgb(189,  
216, 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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