

# Converting Colors

$Yxy(74.6445, 0.2734, 0.3012)$

Have a look what the booklet for  
Yxy(74.6445, 0.2734, 0.3012)  
contains.

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# Color

**Yxy(74.8900, 0.2733, 0.3017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BFE6FF</b>
RGB	191, 230, 255
RGB Percent	75%, 90%, 100%
CMY	0.2508, 0.0981, 0.0000
CMYK	0.25, 0.10, 0.00, 0.00
HSL	203°, 100%, 87%
HSV	203°, 25%, 100%
XYZ	67.8404, 74.8900, 105.4964
YIQ	221.1890, -31.2690, -0.4930

# Conversions

## Conversions Part 2

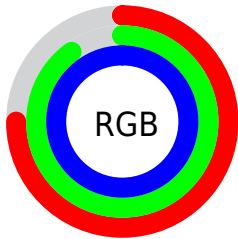
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 215, 255
Decimal	12576511
CIE Lab	89.34, -7.22, -16.28
CIE LCh	89, 17.809, 246.095
Yxy	74.8900, 0.2733, 0.3017
Android (android.graphics.Color)	4290766591 (0xFFBFE6FF)
YUV	221.1890, 16.6688, -26.4758
Hunter-Lab	86.5390, -11.5121, -11.7008

# Details

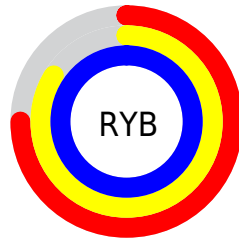
The Yxy color **74.8900, 0.2733, 0.3017** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1562, 0.3598, 0.3548**, and the grayscale version is **72.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **39.9714, 0.2644, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **66.4776, 0.2577, 0.2889**, and if you desaturate by 10%, it is **84.1998, 0.2891, 0.3134**.

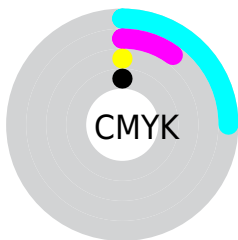
# Distribution



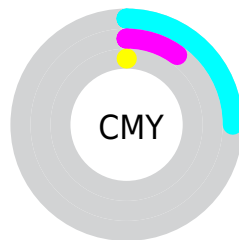
- Red (75%)
- Green (90%)
- Blue (100%)



- Red (75%)
- Yellow (84%)
- Blue (100%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8900, 0.2733, 0.3017 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 74.8900, 0.2733, 0.3017 by changing the saturation by 10% instead.



74.8900, 0.2733,  
0.3017

74.8900, 0.2733,  
0.3017

477.5394, 0.2912,  
0.3144

55.5228, 0.2693,  
0.2988

126.1566, 0.2794,  
0.3061

39.8204, 0.2644,  
0.2952

158.8248, 0.2818,  
0.3078

27.3986, 0.2583,  
0.2907

196.6955, 0.2839,  
0.3093

17.8728, 0.2504,  
0.2848

240.1530, 0.2858,  
0.3106

10.8587, 0.2399,  
0.2767

289.5818, 0.2874,  
0.3117

5.9719, 0.2252,  
0.2653

345.3661, 0.2888,

2.8280, 0.2035,

0.3127

0.2477

407.8906, 0.2901,  
0.3136

1.0426, 0.1686,  
0.2179

0.0000, 0.0000,  
0.0000

74.8900, 0.2733,  
0.3017

74.8900, 0.2733,  
0.3017

66.4776, 0.2577,  
0.2889

84.1998, 0.2891,  
0.3134

58.9207, 0.2426,  
0.2752

94.4330, 0.3049,  
0.3240

52.1837, 0.2285,  
0.2607

100.0000, 0.3127,  
0.3290

46.2252, 0.2158,  
0.2456

■ 40.9988, 0.2049,  
0.2302

■ 36.4514, 0.1961,  
0.2149

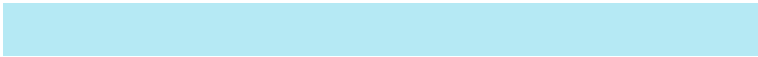
■ 32.5186, 0.1895,  
0.2000

■ 30.7676, 0.1869,  
0.1928

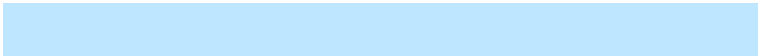
# Harmonies

## Analogous

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



74.8900, 0.2738, 0.3173



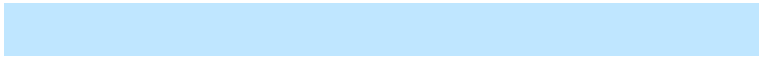
74.8900, 0.2733, 0.3017



74.8900, 0.2829, 0.2940

# Triad

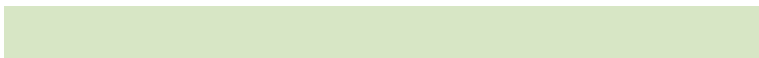
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8900, 0.2733, 0.3017



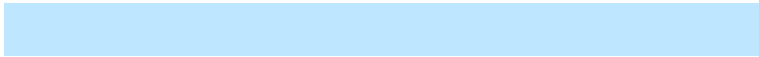
74.8900, 0.3416, 0.3204



74.8900, 0.3239, 0.3655

# Complementary

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



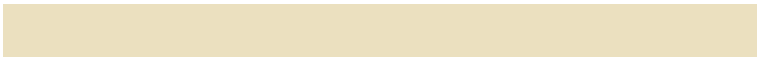
74.8900, 0.2733, 0.3017



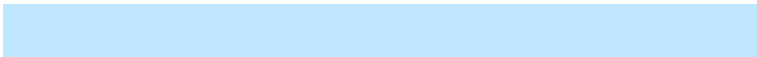
74.1562, 0.3598, 0.3548

# 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.



74.8900, 0.3427, 0.3651



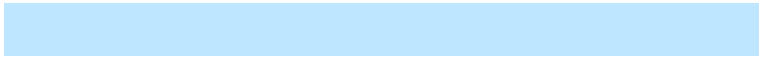
74.8900, 0.2733, 0.3017



74.8900, 0.3533, 0.3385

# Square

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



74.8900, 0.2733, 0.3017



74.8900, 0.3221, 0.3049



74.8900, 0.3536, 0.3549

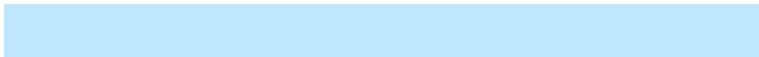


74.8900, 0.3025, 0.3551



# Rectangle

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



74.8900, 0.2733, 0.3017



74.8900, 0.2940, 0.2939



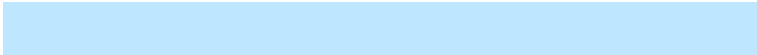
74.8900, 0.3536, 0.3549



74.8900, 0.3307, 0.3666

# Sweetspot

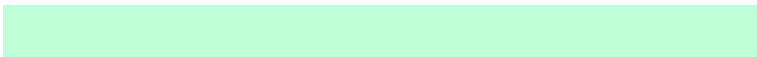
The Sweet Spot groups the original color and five complimentary colors.



74.8922, 0.2733, 0.3017



91.3511, 0.3003, 0.3211



87.5361, 0.2961, 0.3725



19.2194, 0.2979, 0.3195



0.0000, 0.0000, 0.0000

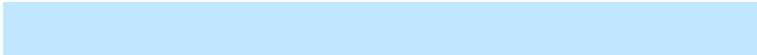


21.4041, 0.3127, 0.3290

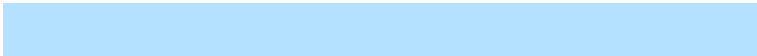


# Same Dimension

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



74.8922, 0.2733, 0.3017



70.6458, 0.2656, 0.2956



58.9180, 0.2701, 0.2659



19.2194, 0.2979, 0.3195



16.3758, 0.1876, 0.1952



1.8071, 0.1923, 0.2121



# Inverse Universe

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



64.2506, 0.3344, 0.2897



58.7415, 0.3399, 0.2817



91.8741, 0.3524, 0.3851



18.1730, 0.3198, 0.3146



12.3811, 0.4507, 0.2256

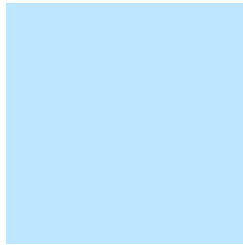


1.2270, 0.4318, 0.2153



# Previews

## White Background



This preview shows how the Yxy color 74.8900, 0.2733, 0.3017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

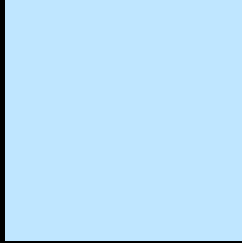
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8900, 0.2733, 0.3017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

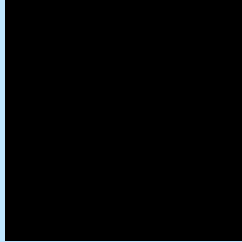
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

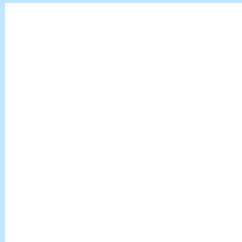
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8900, 0.2733, 0.3017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8900, 0.2733, 0.3017.



This preview shows how white text looks on a background with the Yxy color 74.8900, 0.2733, 0.3017.

# 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

74.8900, 0.2733, 0.3017

### Protanopia

74.3603, 0.2937, 0.2996

### Deuteranopia

74.5410, 0.2966, 0.2920



## Tritanopia

74.9385, 0.2760, 0.3091

# Trichromacy



## Original Color

74.8900, 0.2733, 0.3017

## Protanomaly

74.4340, 0.2855, 0.3002

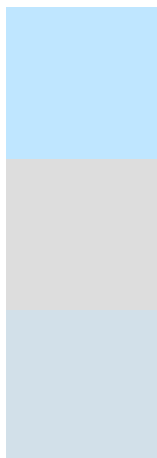
## Deuteranomaly

74.4424, 0.2875, 0.2953

## Tritanomaly

75.0640, 0.2749, 0.3070

# Monochromacy



## Original Color

74.8900, 0.2733, 0.3017

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.8961, 0.2974, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8900, 0.2733, 0.3017 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(191, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 230, 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(191, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8900, 0.2733, 0.3017 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(191, 230, 255) }
```

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

```
.border{ border-color:rgb(191, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 230, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 230, 255); box-shadow:4px 4px 4px 4px rgb(191, 230, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8900, 0.2733, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 230, 255) }
```

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

```
.background{ background-color: rgb(191,  
230, 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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