

# Converting Colors

$Yxy(74.4760, 0.2762, 0.2997)$

Have a look what the booklet for  
Yxy(74.4760, 0.2762, 0.2997)  
contains.

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# Color

**Yxy(74.4426, 0.2760, 0.2997)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E4FF
RGB	196, 228, 255
RGB Percent	77%, 89%, 100%
CMY	0.2315, 0.1058, 0.0000
CMYK	0.23, 0.11, 0.00, 0.00
HSL	207°, 100%, 88%
HSV	207°, 23%, 100%
XYZ	68.5557, 74.4426, 105.3920
YIQ	221.5100, -27.7390, 1.6130

# Conversions

## Conversions Part 2

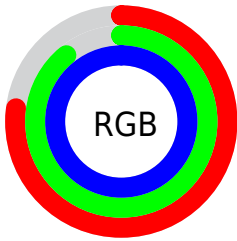
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 217, 255
Decimal	12903679
CIE <sub>Lab</sub>	89.13, -4.75, -16.58
CIE <sub>LCh</sub>	89, 17.244, 254.026
Yxy	74.4426, 0.2760, 0.2997
Android (android.graphics.Color)	4291093759 (0xFFC4E4FF)
YUV	221.5100, 16.5106, -22.3723
Hunter-Lab	86.2801, -9.1592, -12.0272

# Details

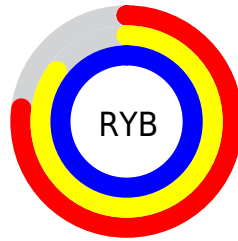
The Yxy color **74.4426, 0.2760, 0.2997** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.9965, 0.3546, 0.3566**, and the grayscale version is **72.5758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **39.6271, 0.2677, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **65.1098, 0.2598, 0.2849**, and if you desaturate by 10%, it is **84.7906, 0.2921, 0.3133**.

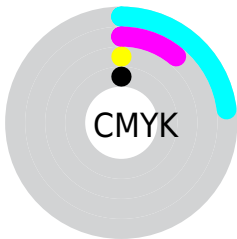
# Distribution



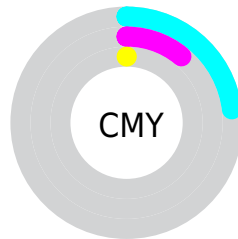
- Red (77%)
- Green (89%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4426, 0.2760, 0.2997 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 74.4426, 0.2760, 0.2997 by changing the saturation by 10% instead.



■ 74.4426, 0.2760,  
0.2997

■ 74.4426, 0.2760,  
0.2997

■ 475.9995, 0.2927,  
0.3133

■ 55.1564, 0.2723,  
0.2966

■ 125.5230, 0.2817,  
0.3044

■ 39.5269, 0.2677,  
0.2928

■ 158.0860, 0.2840,  
0.3062

■ 27.1699, 0.2619,  
0.2880

■ 195.8434, 0.2859,  
0.3078

■ 17.7009, 0.2545,  
0.2818

■ 239.1795, 0.2876,  
0.3092

■ 10.7354, 0.2446,  
0.2733

■ 288.4788, 0.2891,  
0.3104

■ 5.8892, 0.2307,  
0.2614

■ 344.1256, 0.2905,

■ 2.7778, 0.2100,

0.3114

0.2431

406.5044, 0.2917,  
0.3124

1.0169, 0.1765,  
0.2124

0.0000, 0.0000,  
0.0000

74.4426, 0.2760,  
0.2997

74.4426, 0.2760,  
0.2997

65.1098, 0.2598,  
0.2849

84.7906, 0.2921,  
0.3133

56.7521, 0.2439,  
0.2689

96.1870, 0.3079,  
0.3254

49.3296, 0.2287,  
0.2518

100.0000, 0.3127,  
0.3290

42.7981, 0.2147,  
0.2340

■ 37.1087, 0.2025,  
0.2160

■ 32.2059, 0.1923,  
0.1980

■ 28.0242, 0.1845,  
0.1806

■ 25.5154, 0.1803,  
0.1692

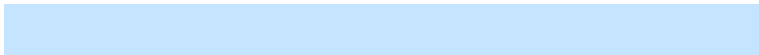
# Harmonies

## Analogous

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



74.4426, 0.2738, 0.3131



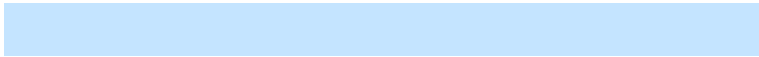
74.4426, 0.2760, 0.2997



74.4426, 0.2877, 0.2945

# Triad

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



74.4426, 0.2760, 0.2997



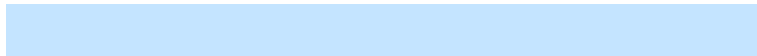
74.4426, 0.3446, 0.3252



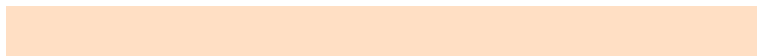
74.4426, 0.3181, 0.3627

# Complementary

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



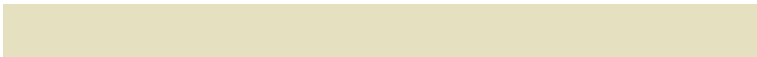
74.4426, 0.2760, 0.2997



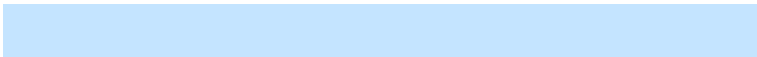
77.9965, 0.3546, 0.3566

# 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.



74.4426, 0.3375, 0.3651



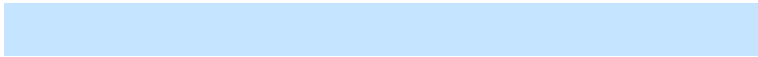
74.4426, 0.2760, 0.2997



74.4426, 0.3533, 0.3428

# Square

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



74.4426, 0.2760, 0.2997



74.4426, 0.3272, 0.3091



74.4426, 0.3506, 0.3575

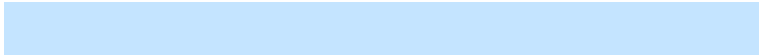


74.4426, 0.2976, 0.3502



# Rectangle

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



74.4426, 0.2760, 0.2997



74.4426, 0.2996, 0.2959



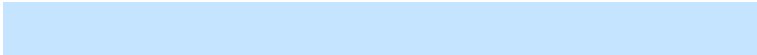
74.4426, 0.3506, 0.3575



74.4426, 0.3249, 0.3647

# Sweetspot

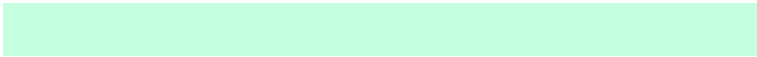
The Sweet Spot groups the original color and five complimentary colors.



74.4433, 0.2760, 0.2997



91.6734, 0.3019, 0.3209



88.5538, 0.2952, 0.3642



19.4735, 0.3009, 0.3202



0.0000, 0.0000, 0.0000

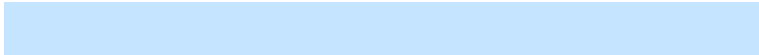


21.4041, 0.3127, 0.3290

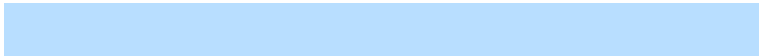


# Same Dimension

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



74.4433, 0.2760, 0.2997



69.7925, 0.2681, 0.2927



59.7606, 0.2734, 0.2669



19.0116, 0.2979, 0.3179



13.6348, 0.1811, 0.1719



1.5462, 0.1865, 0.1912



# Inverse Universe

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



66.3268, 0.3354, 0.2967



60.6680, 0.3414, 0.2896



94.8952, 0.3484, 0.3843



18.1520, 0.3209, 0.3162



12.1044, 0.4783, 0.2408

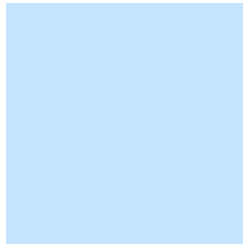


1.2006, 0.4553, 0.2282



# Previews

## White Background



This preview shows how the Yxy color 74.4426, 0.2760, 0.2997 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

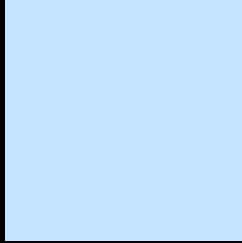
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4426, 0.2760, 0.2997 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

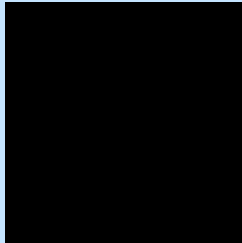
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

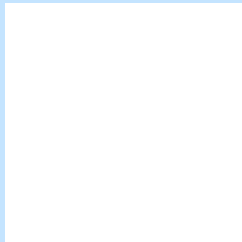
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4426, 0.2760, 0.2997**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.4426, 0.2760, 0.2997.



This preview shows how white text looks on a background with the Yxy color 74.4426, 0.2760, 0.2997.

# 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

74.4426, 0.2760, 0.2997

### Protanopia

74.2677, 0.2924, 0.2985

### Deuteranopia

74.0208, 0.2965, 0.2910



## Tritanopia

74.2853, 0.2788, 0.3081

# Trichromacy



**Original Color**

74.4426, 0.2760, 0.2997

**Protanomaly**

74.1885, 0.2867, 0.2992

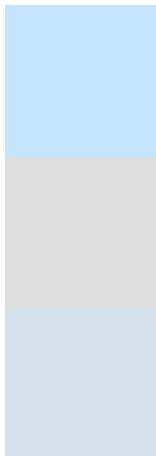
**Deuteranomaly**

74.2143, 0.2887, 0.2944

**Tritanomaly**

74.6058, 0.2777, 0.3050

# Monochromacy



**Original Color**

74.4426, 0.2760, 0.2997

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.3980, 0.2988, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4426, 0.2760, 0.2997 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(196, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 228, 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(196, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 228, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4426, 0.2760, 0.2997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

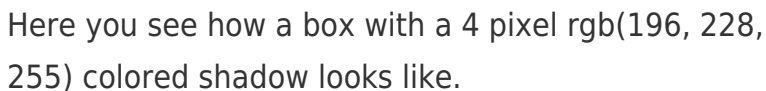
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 228, 255) }
```

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

```
.border{ border-color:rgb(196, 228, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 228, 255); box-shadow:4px 4px 4px 4px rgb(196, 228, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4426, 0.2760, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 228, 255) }
```

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

```
.background{ background-color: rgb(196,  
228, 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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