

# Converting Colors

$Yxy(73.7417, 0.2808, 0.3041)$

Have a look what the booklet for  
Yxy(73.7417, 0.2808, 0.3041)  
contains.

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# Color

**Yxy(73.9198, 0.2811, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E3F9
RGB	199, 227, 249
RGB Percent	78%, 89%, 98%
CMY	0.2195, 0.1098, 0.0235
CMYK	0.20, 0.09, 0.00, 0.02
HSL	206°, 81%, 88%
HSV	206°, 20%, 98%
XYZ	68.1274, 73.9198, 100.3128
YIQ	221.1360, -23.7500, 0.9060

# Conversions

## Conversions Part 2

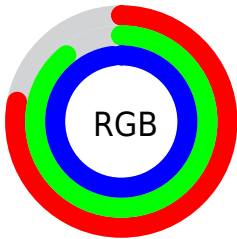
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 217, 249
Decimal	13100025
CIE Lab	88.88, -4.62, -13.77
CIE LCh	89, 14.527, 251.464
Yxy	73.9198, 0.2811, 0.3050
Android (android.graphics.Color)	4291290105 (0xFFC7E3F9)
YUV	221.1360, 13.7370, -19.4133
Hunter-Lab	85.9766, -9.0167, -8.9927

# Details

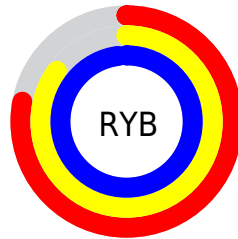
The Yxy color **73.9198, 0.2811, 0.3050** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.0039, 0.3484, 0.3519**, and the grayscale version is **72.3259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.2846, 0.2732, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **64.9801, 0.2650, 0.2911**, and if you desaturate by 10%, it is **83.8052, 0.2971, 0.3176**.

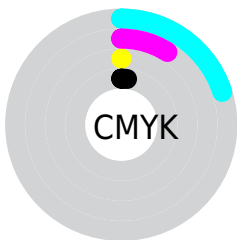
# Distribution



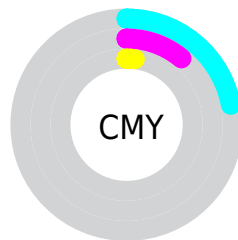
- Red (78%)
- Green (89%)
- Blue (98%)



- Red (78%)
- Yellow (85%)
- Blue (98%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9198, 0.2811, 0.3050 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 73.9198, 0.2811, 0.3050 by changing the saturation by 10% instead.



■ 73.9198, 0.2811,  
0.3050

■ 73.9198, 0.2811,  
0.3050

474.1965, 0.2956,  
0.3161

■ 54.7284, 0.2778,  
0.3025

124.7821, 0.2861,  
0.3089

■ 39.1843, 0.2738,  
0.2993

157.2218, 0.2880,  
0.3104

■ 26.9031, 0.2688,  
0.2953

194.8464, 0.2897,  
0.3117

■ 17.5005, 0.2623,  
0.2901

238.0403, 0.2912,  
0.3128

■ 10.5920, 0.2536,  
0.2831

287.1878, 0.2925,  
0.3138

■ 5.7932, 0.2413,  
0.2729

342.6735, 0.2936,

■ 2.7197, 0.2227,

0.3147

0.2573

404.8816, 0.2946,  
0.3154

0.9872, 0.1918,  
0.2303

0.0000, 0.0000,  
0.0000

73.9198, 0.2811,  
0.3050

73.9198, 0.2811,  
0.3050

64.9801, 0.2650,  
0.2911

83.8052, 0.2971,  
0.3176

56.9428, 0.2491,  
0.2761

94.6593, 0.3126,  
0.3289

49.7743, 0.2339,  
0.2600

99.6206, 0.3162,  
0.3347

43.4351, 0.2197,  
0.2431

■ 37.8815, 0.2071,  
0.2258

■ 33.0644, 0.1965,  
0.2085

■ 28.9265, 0.1882,  
0.1915

■ 25.4030, 0.1820,  
0.1753

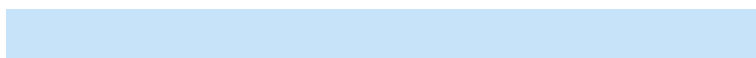
# Harmonies

## Analogous

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



73.9198, 0.2800, 0.3169



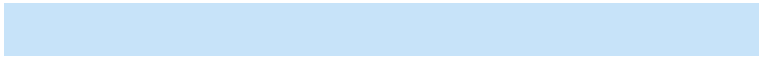
73.9198, 0.2811, 0.3050



73.9198, 0.2904, 0.2998

# Triad

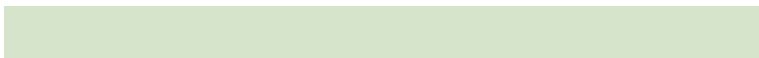
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9198, 0.2811, 0.3050



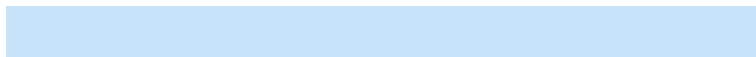
73.9198, 0.3386, 0.3246



73.9198, 0.3188, 0.3578

# Complementary

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



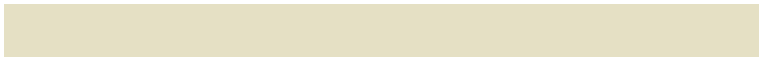
73.9198, 0.2811, 0.3050



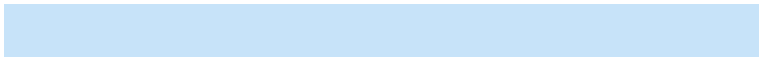
76.0039, 0.3484, 0.3519

# Split Complementary

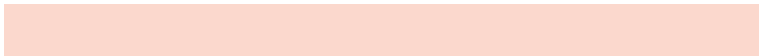
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9198, 0.3349, 0.3592



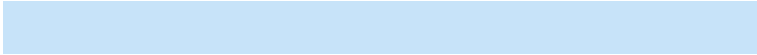
73.9198, 0.2811, 0.3050



73.9198, 0.3466, 0.3396

# Square

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



73.9198, 0.2811, 0.3050



73.9198, 0.3235, 0.3111



73.9198, 0.3452, 0.3523

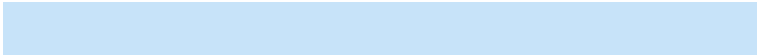


73.9198, 0.3014, 0.3480



# Rectangle

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



73.9198, 0.2811, 0.3050



73.9198, 0.3003, 0.3005



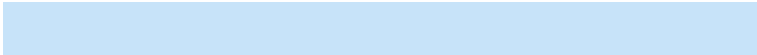
73.9198, 0.3452, 0.3523



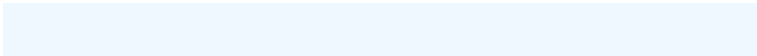
73.9198, 0.3246, 0.3593

# Sweetspot

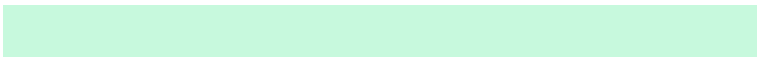
The Sweet Spot groups the original color and five complimentary colors.



73.9228, 0.2811, 0.3050



92.9882, 0.3034, 0.3224



85.1114, 0.2979, 0.3599



19.7448, 0.3024, 0.3216



0.0000, 0.0000, 0.0000

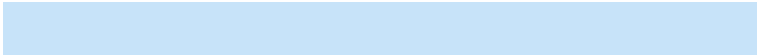


21.4041, 0.3127, 0.3290

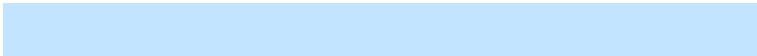


# Same Dimension

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



73.9228, 0.2811, 0.3050



74.1738, 0.2747, 0.2997



61.3950, 0.2793, 0.2772



18.2542, 0.2980, 0.3183



13.8838, 0.1828, 0.1779



1.4971, 0.1882, 0.1975



# Inverse Universe

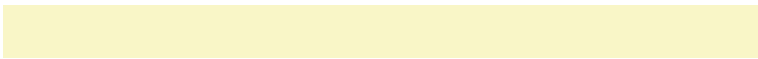
The Inverse Universe completely reimagines the original color for something new.



66.5469, 0.3311, 0.3004



65.3585, 0.3356, 0.2944



89.9874, 0.3437, 0.3760



17.3879, 0.3206, 0.3158



11.8125, 0.4711, 0.2369

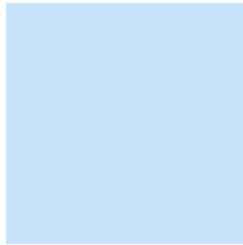


1.1154, 0.4481, 0.2242



# Previews

## White Background



This preview shows how the Yxy color 73.9198, 0.2811, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

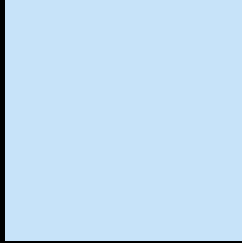
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9198, 0.2811, 0.3050 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

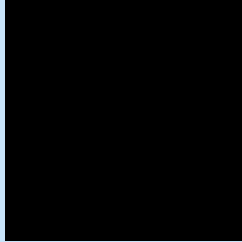
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

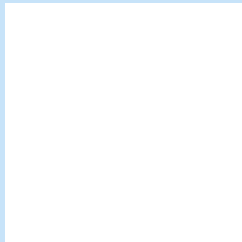
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9198, 0.2811, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9198, 0.2811, 0.3050.



This preview shows how white text looks on a background with the Yxy color 73.9198, 0.2811, 0.3050.

# 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

73.9198, 0.2811, 0.3050

### Protanopia

73.5211, 0.2967, 0.3036

### Deuteranopia

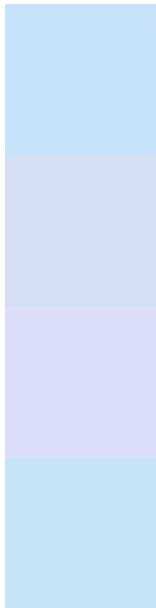
73.5797, 0.3004, 0.2940



## Tritanopia

74.1464, 0.2822, 0.3093

# Trichromacy



**Original Color**

73.9198, 0.2811, 0.3050

**Protanomaly**

73.4262, 0.2909, 0.3043

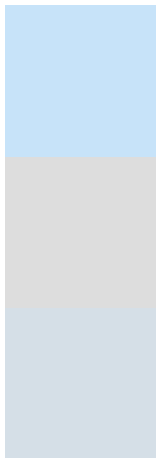
**Deuteranomaly**

73.6751, 0.2930, 0.2985

**Tritanomaly**

74.2080, 0.2817, 0.3082

# Monochromacy



**Original Color**

73.9198, 0.2811, 0.3050

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.6910, 0.3007, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9198, 0.2811, 0.3050 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(199, 227, 249)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 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(199, 227, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9198, 0.2811, 0.3050 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(199, 227, 249) }
```

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

```
.border{ border-color:rgb(199, 227, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 227, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 227, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 227, 249); box-shadow:4px 4px 4px 4px rgb(199, 227, 249) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9198, 0.2811, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 249) }
```

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

```
.background{ background-color: rgb(199,  
227, 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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