

# Converting Colors

Yxy(74.8514, 0.2688, 0.2846)

Have a look what the booklet for  
Yxy(74.8514, 0.2688, 0.2846)  
contains.

<b>Yxy(73.8939, 0.2760, 0.2986)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(73.8939, 0.2760, 0.2986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E3FF
RGB	196, 227, 255
RGB Percent	77%, 89%, 100%
CMY	0.2310, 0.1099, 0.0000
CMYK	0.23, 0.11, 0.00, 0.00
HSL	209°, 100%, 88%
HSV	209°, 23%, 100%
XYZ	68.3011, 73.8939, 105.2728
YIQ	220.9230, -27.4640, 2.1360

# Conversions

## Conversions Part 2

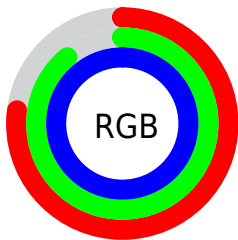
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 216, 255
Decimal	12903423
CIE <sub>Lab</sub>	88.87, -4.19, -16.95
CIE <sub>LCh</sub>	89, 17.459, 256.130
Yxy	73.8939, 0.2760, 0.2986
Android (android.graphics.Color)	4291093503 (0xFFC4E3FF)
YUV	220.9230, 16.8000, -21.8575
Hunter-Lab	85.9616, -8.6048, -12.4364

# Details

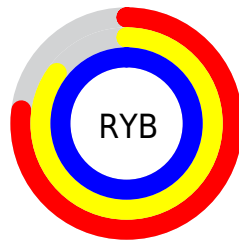
The Yxy color **73.8939, 0.2760, 0.2986** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.6185, 0.3543, 0.3576**, and the grayscale version is **72.1556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **39.2450, 0.2676, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **64.3592, 0.2597, 0.2831**, and if you desaturate by 10%, it is **84.4826, 0.2922, 0.3127**.

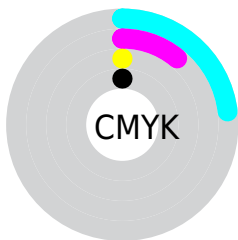
# Distribution



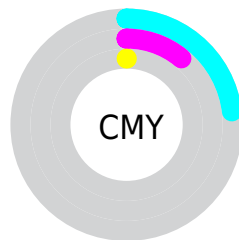
- Red (77%)
- Green (89%)
- Blue (100%)



- 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 73.8939, 0.2760, 0.2986 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 73.8939, 0.2760, 0.2986 by changing the saturation by 10% instead.



■ 73.8939, 0.2760,  
0.2986

■ 73.8939, 0.2760,  
0.2986

474.1071, 0.2927,  
0.3127

■ 54.7072, 0.2722,  
0.2954

124.7454, 0.2818,  
0.3035

■ 39.1673, 0.2676,  
0.2915

157.1790, 0.2840,  
0.3054

■ 26.8899, 0.2618,  
0.2865

194.7970, 0.2860,  
0.3070

■ 17.4906, 0.2544,  
0.2800

237.9838, 0.2877,  
0.3084

■ 10.5849, 0.2444,  
0.2713

287.1238, 0.2892,  
0.3097

■ 5.7884, 0.2304,  
0.2589

342.6015, 0.2905,

■ 2.7169, 0.2096,

0.3108

0.2400

404.8011, 0.2917,  
0.3118

0.9858, 0.1757,  
0.2083

0.0000, 0.0000,  
0.0000

73.8939, 0.2760,  
0.2986

73.8939, 0.2760,  
0.2986

64.3592, 0.2597,  
0.2831

84.4826, 0.2922,  
0.3127

55.8313, 0.2435,  
0.2664

96.1537, 0.3080,  
0.3254

48.2713, 0.2281,  
0.2486

100.0000, 0.3127,  
0.3290

41.6336, 0.2138,  
0.2301

■ 35.8683, 0.2013,  
0.2113

■ 30.9186, 0.1909,  
0.1926

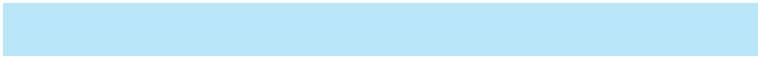
■ 26.7174, 0.1829,  
0.1746

■ 24.1941, 0.1786,  
0.1628

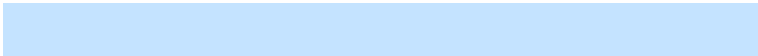
# Harmonies

## Analogous

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



73.8939, 0.2731, 0.3117



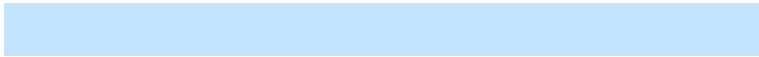
73.8939, 0.2760, 0.2986



73.8939, 0.2885, 0.2939

# Triad

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



73.8939, 0.2760, 0.2986



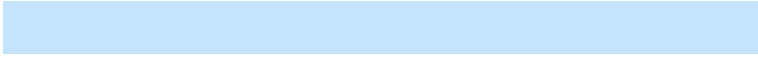
73.8939, 0.3461, 0.3264



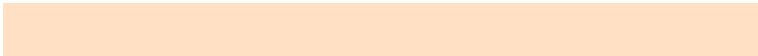
73.8939, 0.3167, 0.3626

# Complementary

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



73.8939, 0.2760, 0.2986



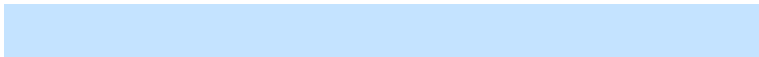
78.6185, 0.3543, 0.3576

# 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.



73.8939, 0.3367, 0.3659



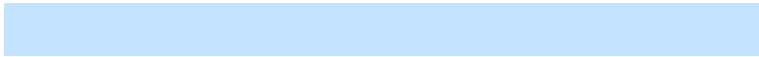
73.8939, 0.2760, 0.2986



73.8939, 0.3541, 0.3441

# Square

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



73.8939, 0.2760, 0.2986



73.8939, 0.3289, 0.3098



73.8939, 0.3505, 0.3587

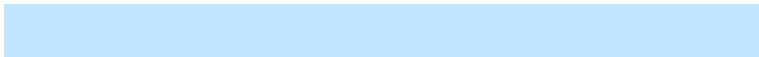


73.8939, 0.2961, 0.3493



# Rectangle

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



73.8939, 0.2760, 0.2986



73.8939, 0.3008, 0.2958



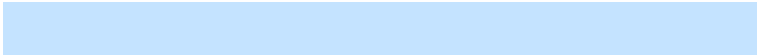
73.8939, 0.3505, 0.3587



73.8939, 0.3237, 0.3649

# Sweetspot

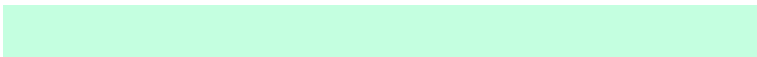
The Sweet Spot groups the original color and five complimentary colors.



73.8966, 0.2760, 0.2986



91.4730, 0.3019, 0.3206



88.6270, 0.2947, 0.3631



19.4271, 0.3009, 0.3198



0.0000, 0.0000, 0.0000

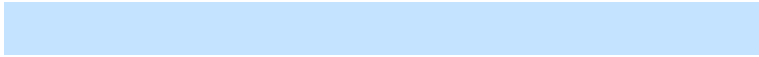


21.4041, 0.3127, 0.3290

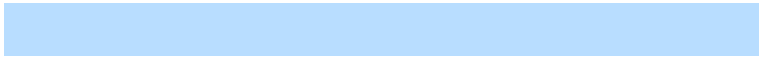


# Same Dimension

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



73.8966, 0.2760, 0.2986



69.0965, 0.2680, 0.2912



59.3805, 0.2734, 0.2659



18.9543, 0.2979, 0.3174



12.9433, 0.1793, 0.1656



1.4791, 0.1849, 0.1855



# Inverse Universe

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



66.3256, 0.3362, 0.2978



60.5978, 0.3425, 0.2909



95.5231, 0.3481, 0.3851



18.1462, 0.3212, 0.3166



12.0346, 0.4861, 0.2451

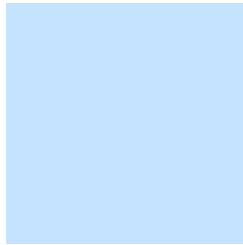


1.1939, 0.4620, 0.2319



# Previews

## White Background



This preview shows how the Yxy color 73.8939, 0.2760, 0.2986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

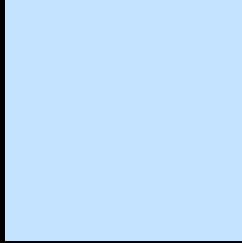
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8939, 0.2760, 0.2986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

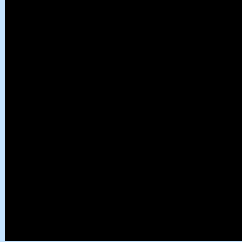
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

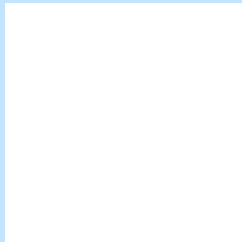
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8939, 0.2760, 0.2986**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8939, 0.2760, 0.2986.



This preview shows how white text looks on a background with the Yxy color 73.8939, 0.2760, 0.2986.

# 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

73.8939, 0.2760, 0.2986

### Protanopia

73.5834, 0.2917, 0.2974

### Deuteranopia

73.8568, 0.2959, 0.2909



## Tritanopia

73.6715, 0.2792, 0.3081

# Trichromacy



## Original Color

73.8939, 0.2760, 0.2986

## Protanomaly

73.5053, 0.2860, 0.2981

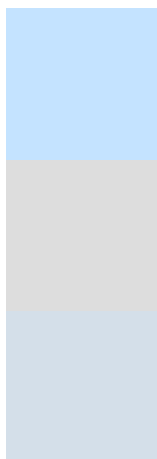
## Deuteranomaly

73.5318, 0.2880, 0.2932

## Tritanomaly

73.9910, 0.2782, 0.3049

# Monochromacy



## Original Color

73.8939, 0.2760, 0.2986

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.6556, 0.2988, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8939, 0.2760, 0.2986 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8939, 0.2760, 0.2986 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, 227, 255) }
```

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

```
.border{ border-color:rgb(196, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8939, 0.2760, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 255) }
```

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

```
.background{ background-color: rgb(196,  
227, 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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