

# Converting Colors

$Yxy(73.8368, 0.2714, 0.3002)$

Have a look what the booklet for  
Yxy(73.8368, 0.2714, 0.3002)  
contains.

<b>Yxy(73.9500, 0.2714, 0.3005)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.9500, 0.2714, 0.3005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCE5FF
RGB	188, 229, 255
RGB Percent	74%, 90%, 100%
CMY	0.2631, 0.1018, 0.0000
CMYK	0.26, 0.10, 0.00, 0.00
HSL	203°, 100%, 87%
HSV	203°, 26%, 100%
XYZ	66.7888, 73.9500, 105.3511
YIQ	219.7050, -32.7820, -0.6060

# Conversions

## Conversions Part 2

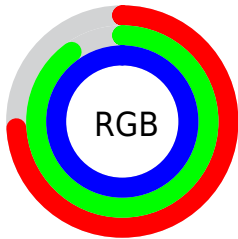
Format	Color
R <sub>Y</sub> B	188, 213, 255
Decimal	12379647
CIE Lab	88.90, -7.63, -16.95
CIE LCh	89, 18.591, 245.770
Yxy	73.9500, 0.2714, 0.3005
Android (android.graphics.Color)	4290569727 (0xFFBCE5FF)
YUV	219.7050, 17.4004, -27.8053
Hunter-Lab	85.9942, -11.8549, -12.4400

# Details

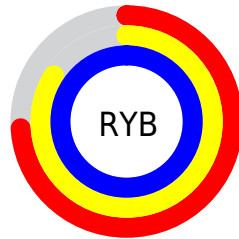
The Yxy color **73.9500, 0.2714, 0.3005** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.9098, 0.3627, 0.3558**, and the grayscale version is **71.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **39.3359, 0.2622, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **65.6902, 0.2558, 0.2877**, and if you desaturate by 10%, it is **83.0981, 0.2872, 0.3122**.

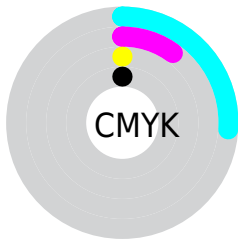
# Distribution



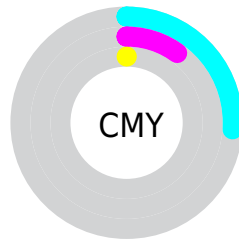
- Red (74%)
- Green (90%)
- Blue (100%)



- Red (74%)
- Yellow (84%)
- Blue (100%)



- Cyan (26%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9500, 0.2714, 0.3005 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 73.9500, 0.2714, 0.3005 by changing the saturation by 10% instead.



73.9500, 0.2714,  
0.3005

73.9500, 0.2714,  
0.3005

474.3008, 0.2902,  
0.3138

54.7531, 0.2672,  
0.2975

124.8249, 0.2779,  
0.3051

39.2041, 0.2620,  
0.2937

157.2718, 0.2804,  
0.3069

26.9185, 0.2556,  
0.2889

194.9040, 0.2826,  
0.3085

17.5120, 0.2473,  
0.2827

238.1061, 0.2845,  
0.3098

10.6002, 0.2362,  
0.2742

287.2625, 0.2862,  
0.3110

5.7987, 0.2208,  
0.2621

342.7574, 0.2877,

2.7231, 0.1980,

0.3120

0.2436

404.9754, 0.2890,  
0.3130

0.9889, 0.1609,  
0.2121

0.0000, 0.0000,  
0.0000

73.9500, 0.2714,  
0.3005

73.9500, 0.2714,  
0.3005

65.6902, 0.2558,  
0.2877

83.0981, 0.2872,  
0.3122

58.2747, 0.2409,  
0.2740

93.1586, 0.3029,  
0.3229

51.6682, 0.2270,  
0.2596

99.9993, 0.3127,  
0.3290

45.8290, 0.2145,  
0.2446

■ 40.7102, 0.2040,  
0.2294

■ 36.2579, 0.1955,  
0.2143

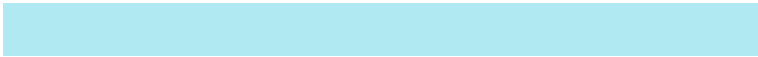
■ 32.4059, 0.1893,  
0.1996

■ 31.1011, 0.1873,  
0.1942

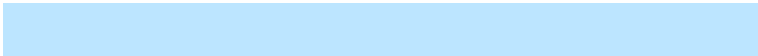
# Harmonies

## Analogous

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



73.9500, 0.2720, 0.3169



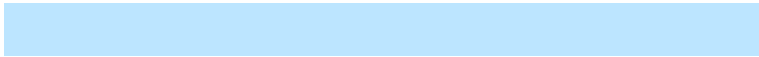
73.9500, 0.2714, 0.3005



73.9500, 0.2813, 0.2924

# Triad

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



73.9500, 0.2714, 0.3005



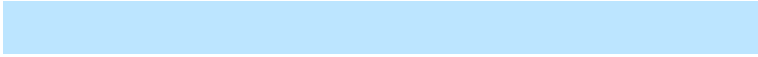
73.9500, 0.3428, 0.3198



73.9500, 0.3246, 0.3674

# Complementary

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



73.9500, 0.2714, 0.3005



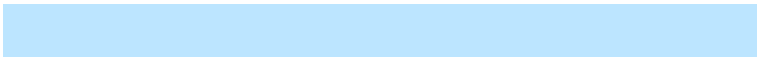
72.9098, 0.3627, 0.3558

# 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.



73.9500, 0.3443, 0.3668



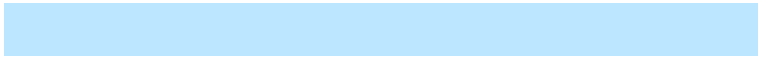
73.9500, 0.2714, 0.3005



73.9500, 0.3552, 0.3386

# Square

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



73.9500, 0.2714, 0.3005



73.9500, 0.3222, 0.3036



73.9500, 0.3557, 0.3559

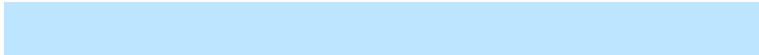


73.9500, 0.3022, 0.3566



# Rectangle

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



73.9500, 0.2714, 0.3005



73.9500, 0.2929, 0.2922



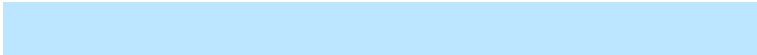
73.9500, 0.3557, 0.3559



73.9500, 0.3318, 0.3685

# Sweetspot

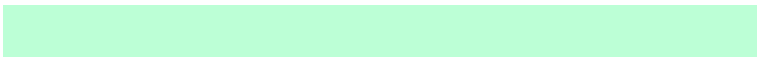
The Sweet Spot groups the original color and five complimentary colors.



73.9530, 0.2714, 0.3005



91.4002, 0.3003, 0.3211



87.0281, 0.2953, 0.3749



19.2317, 0.2979, 0.3196



0.0000, 0.0000, 0.0000

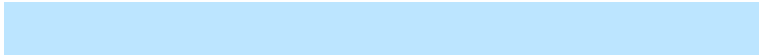


21.4041, 0.3127, 0.3290

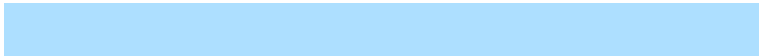


# Same Dimension

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



73.9530, 0.2714, 0.3005



69.1510, 0.2625, 0.2934



57.2573, 0.2678, 0.2623



19.2317, 0.2979, 0.3196



16.5509, 0.1880, 0.1966



1.8236, 0.1926, 0.2133



# Inverse Universe

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



62.8424, 0.3355, 0.2875



56.6513, 0.3419, 0.2782



91.5058, 0.3544, 0.3879



18.1743, 0.3198, 0.3145



12.3988, 0.4491, 0.2248

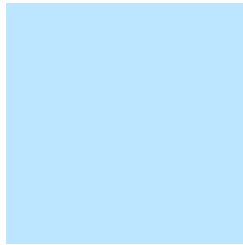


1.2286, 0.4305, 0.2145



# Previews

## White Background



This preview shows how the Yxy color 73.9500, 0.2714, 0.3005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

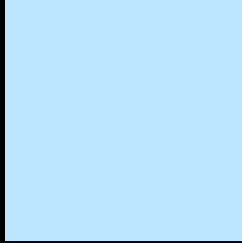
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9500, 0.2714, 0.3005 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

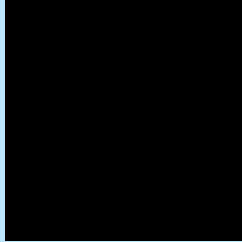
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

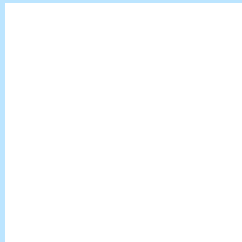
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9500, 0.2714, 0.3005**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9500, 0.2714, 0.3005.



This preview shows how white text looks on a background with the Yxy color 73.9500, 0.2714, 0.3005.

# 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

73.9500, 0.2714, 0.3005

### Protanopia

73.6751, 0.2930, 0.2985

### Deuteranopia

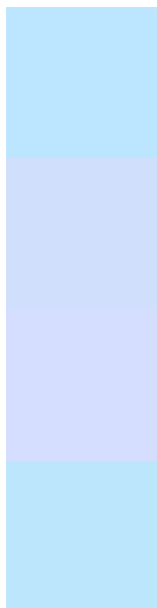
73.6937, 0.2952, 0.2908



## Tritanopia

73.9357, 0.2747, 0.3090

# Trichromacy



## Original Color

73.9500, 0.2714, 0.3005

## Protanomaly

73.7495, 0.2848, 0.2990

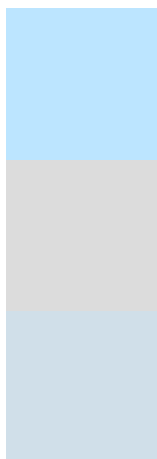
## Deuteranomaly

73.6087, 0.2861, 0.2941

## Tritanomaly

74.1235, 0.2731, 0.3058

# Monochromacy



## Original Color

73.9500, 0.2714, 0.3005

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.0684, 0.2961, 0.3180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9500, 0.2714, 0.3005 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(188, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 229, 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(188, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 229, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9500, 0.2714, 0.3005 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(188, 229, 255) }
```

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

```
.border{ border-color:rgb(188, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 229,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9500, 0.2714, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 229, 255) }
```

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

```
.background{ background-color: rgb(188,  
229, 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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