

# Converting Colors

$Yxy(76.1127, 0.2425, 0.2738)$

Have a look what the booklet for  
Yxy(76.1127, 0.2425, 0.2738)  
contains.

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# Color

**Yxy(73.9058, 0.2563, 0.3062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EEBFF
RGB	158, 235, 255
RGB Percent	62%, 92%, 100%
CMY	0.3802, 0.0784, 0.0001
CMYK	0.38, 0.08, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	61.8617, 73.9058, 105.5970
YIQ	214.2570, -52.3120, -10.1040

# Conversions

## Conversions Part 2

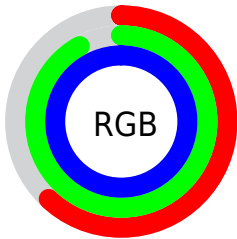
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 201, 255
Decimal	10415103
CIELab	88.88, -18.75, -17.14
CIElCh	89, 25.407, 222.436
Yxy	73.9058, 0.2563, 0.3062
Android (android.graphics.Color)	4288605183 (0xFF9EEBFF)
YUV	214.2570, 20.0863, -49.3374
Hunter-Lab	85.9685, -21.9988, -12.6493

# Details

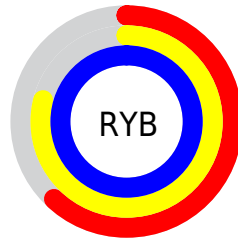
The Yxy color **73.9058, 0.2563, 0.3062** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.5767, 0.3992, 0.3503**, and the grayscale version is **67.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **39.1422, 0.2441, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **68.6194, 0.2436, 0.2991**, and if you desaturate by 10%, it is **79.8233, 0.2702, 0.3129**.

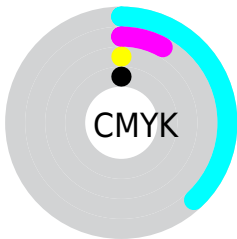
# Distribution



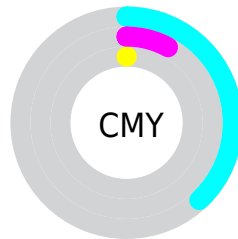
- Red (62%)
- Green (92%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9058, 0.2563, 0.3062 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 73.9058, 0.2563, 0.3062 by changing the saturation by 10% instead.





 73.9058, 0.2563,  
0.3062


 73.9058, 0.2563,  
0.3062

474.1482, 0.2818,  
0.3172

 54.7169, 0.2507,  
0.3036


 124.7623, 0.2650,  
0.3101

 39.1751, 0.2438,  
0.3003


 157.1987, 0.2684,  
0.3116

 26.8960, 0.2352,  
0.2961


194.8197, 0.2714,  
0.3129

 17.4951, 0.2242,  
0.2905

238.0098, 0.2740,  
0.3140

 10.5881, 0.2098,  
0.2828

287.1532, 0.2763,  
0.3149

 5.7906, 0.1900,  
0.2714

342.6345, 0.2783,

 2.7182, 0.1614,

0.3158

0.2533

404.8381, 0.2801,  
0.3165

0.9864, 0.1081,  
0.2238

0.0000, 0.0000,  
0.0000

73.9058, 0.2563,  
0.3062

73.9058, 0.2563,  
0.3062

68.6194, 0.2436,  
0.2991

79.8233, 0.2702,  
0.3129

63.9214, 0.2324,  
0.2918

86.3946, 0.2850,  
0.3191

59.7765, 0.2229,  
0.2842

93.6515, 0.3003,  
0.3248

56.1419, 0.2154,  
0.2766

99.9989, 0.3127,  
0.3290

■ 52.9668, 0.2099,  
0.2690

■ 50.1828, 0.2062,  
0.2614

■ 49.6587, 0.2055,  
0.2599

# Harmonies

## Analogous

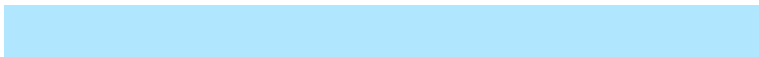
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9058, 0.2681, 0.3341



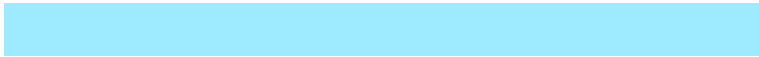
73.9058, 0.2563, 0.3062



73.9058, 0.2587, 0.2865

# Triad

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



73.9058, 0.2563, 0.3062



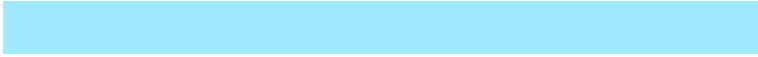
73.9058, 0.3323, 0.2990



73.9058, 0.3503, 0.3823

# Complementary

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



73.9058, 0.2563, 0.3062



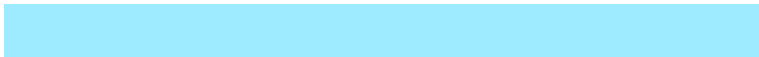
55.5767, 0.3992, 0.3503

# 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.



73.9058, 0.3693, 0.3694



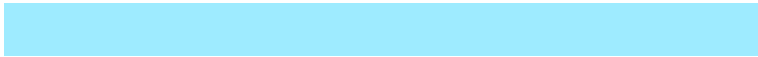
73.9058, 0.2563, 0.3062



73.9058, 0.3589, 0.3217

# Square

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



73.9058, 0.2563, 0.3062



73.9058, 0.3013, 0.2836



73.9058, 0.3727, 0.3471

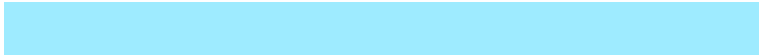


73.9058, 0.3218, 0.3802

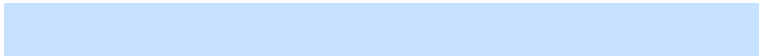


# Rectangle

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



73.9058, 0.2563, 0.3062



73.9058, 0.2680, 0.2800



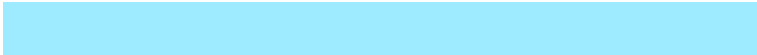
73.9058, 0.3727, 0.3471



73.9058, 0.3581, 0.3795

# Sweetspot

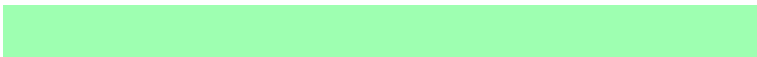
The Sweet Spot groups the original color and five complimentary colors.



73.9087, 0.2563, 0.3062



91.4290, 0.2957, 0.3231



81.9738, 0.2975, 0.4217



19.3562, 0.2936, 0.3224



0.0000, 0.0000, 0.0000

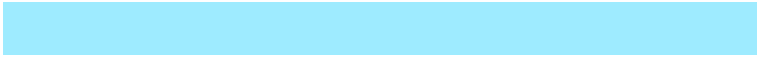


21.4041, 0.3127, 0.3290

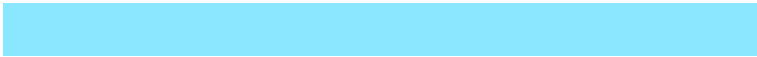


# Same Dimension

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



73.9087, 0.2563, 0.3062



69.6492, 0.2460, 0.3006



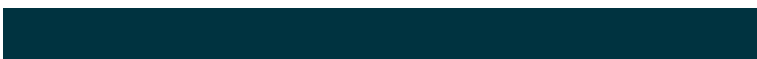
50.0848, 0.2477, 0.2484



19.8081, 0.2980, 0.3240



26.1730, 0.2059, 0.2612



2.7010, 0.2083, 0.2698



# Inverse Universe

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



51.7222, 0.3337, 0.2521



45.1104, 0.3394, 0.2367



78.0652, 0.3802, 0.3980



18.2324, 0.3170, 0.3103



13.3702, 0.3812, 0.1874

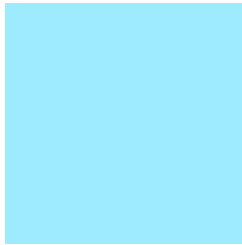


1.3172, 0.3730, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 73.9058, 0.2563, 0.3062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

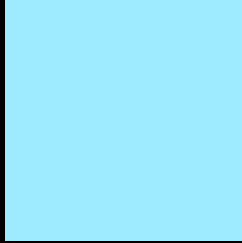
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9058, 0.2563, 0.3062 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 73.9058, 0.2563, 0.3062**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9058, 0.2563, 0.3062.

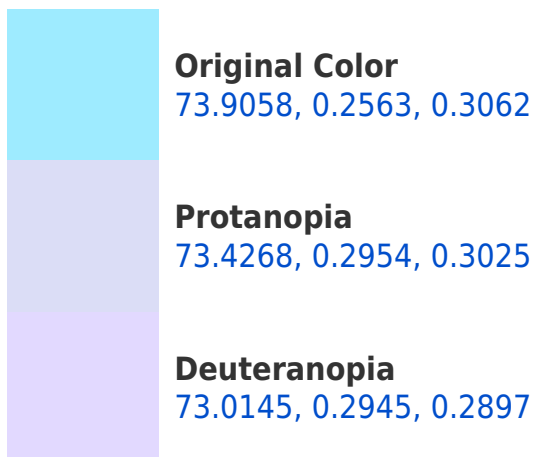


This preview shows how white text looks on a background with the Yxy color 73.9058, 0.2563, 0.3062.

# 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





## Tritanopia

73.8415, 0.2567, 0.3073

# Trichromacy



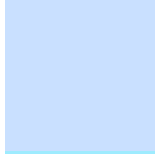
## Original Color

73.9058, 0.2563, 0.3062



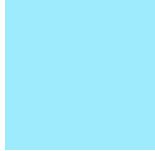
## Protanomaly

73.1026, 0.2798, 0.3038



## Deuteranomaly

72.9488, 0.2787, 0.2956



## Tritanomaly

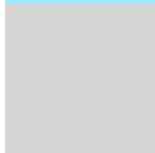
73.8415, 0.2567, 0.3073

# Monochromacy



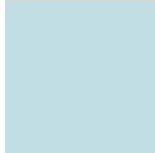
## Original Color

73.9058, 0.2563, 0.3062



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.3690, 0.2893, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9058, 0.2563, 0.3062 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(158, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 235, 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(158, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9058, 0.2563, 0.3062 is called "border". The border property can be set on classes, ids or directly on the HTML element.

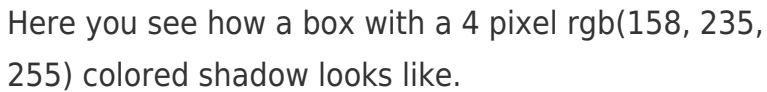
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 235, 255) }
```

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

```
.border{ border-color:rgb(158, 235, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9058, 0.2563, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 235, 255) }
```

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

```
.background{ background-color: rgb(158,  
235, 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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