

# Converting Colors

$Yxy(74.6973, 0.2474, 0.2813)$

Have a look what the booklet for  
Yxy(74.6973, 0.2474, 0.2813)  
contains.

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# Color

**Yxy(73.0749, 0.2574, 0.3040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E9FF
RGB	161, 233, 255
RGB Percent	63%, 91%, 100%
CMY	0.3689, 0.0862, 0.0001
CMYK	0.37, 0.09, 0.00, 0.00
HSL	194°, 100%, 82%
HSV	194°, 37%, 100%
XYZ	61.8733, 73.0749, 105.4298
YIQ	213.9800, -49.9740, -8.4220

# Conversions

## Conversions Part 2

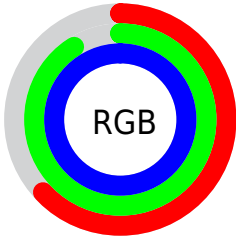
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 202, 255
Decimal	10611199
CIELab	88.48, -17.02, -17.72
CIELCh	88, 24.572, 226.147
Yxy	73.0749, 0.2574, 0.3040
Android (android.graphics.Color)	4288801279 (0xFFA1E9FF)
YUV	213.9800, 20.2229, -46.4635
Hunter-Lab	85.4839, -20.3983, -13.2854

# Details

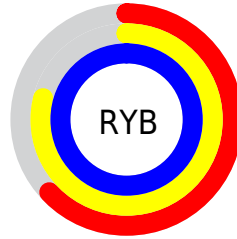
The Yxy color **73.0749, 0.2574, 0.3040** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6486, 0.3946, 0.3523**, and the grayscale version is **67.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **38.5248, 0.2452, 0.2976** is the 20% darker color. If you saturate the color by 10%, you get **67.3803, 0.2442, 0.2960**, and if you desaturate by 10%, it is **79.4289, 0.2717, 0.3115**.

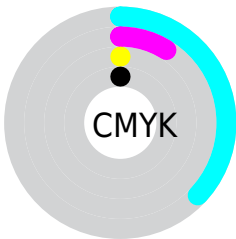
# Distribution



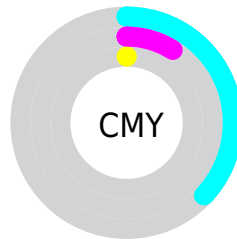
- Red (63%)
- Green (91%)
- Blue (100%)



- Red (63%)
- Yellow (79%)
- Blue (100%)



- Cyan (37%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0749, 0.2574, 0.3040 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 73.0749, 0.2574, 0.3040 by changing the saturation by 10% instead.





 73.0749, 0.2574,  
0.3040


 73.0749, 0.2574,  
0.3040


471.2744, 0.2824,  
0.3160

 54.0372, 0.2518,  
0.3012

 123.5835, 0.2660,  
0.3082

 38.6314, 0.2450,  
0.2976


 155.8233, 0.2693,  
0.3099

 26.4731, 0.2366,  
0.2931


193.2325, 0.2722,  
0.3113

 17.1779, 0.2257,  
0.2871

236.1955, 0.2748,  
0.3125

 10.3614, 0.2114,  
0.2788

285.0969, 0.2770,  
0.3135

 5.6392, 0.1917,  
0.2666

340.3209, 0.2790,

 2.6270, 0.1633,

0.3144

0.2475

402.2519, 0.2808,  
0.3153

■ 0.9402, 0.1097,  
0.2163

■ 0.0000, 0.0000,  
0.0000

■ 73.0749, 0.2574,  
0.3040

■ 73.0749, 0.2574,  
0.3040

■ 67.3803, 0.2442,  
0.2960

■ 79.4289, 0.2717,  
0.3115

■ 62.3025, 0.2325,  
0.2876

■ 86.4651, 0.2866,  
0.3185

■ 57.8064, 0.2224,  
0.2790

■ 94.2155, 0.3020,  
0.3249

■ 53.8493, 0.2143,  
0.2702

99.9984, 0.3127,  
0.3290

■ 50.3813, 0.2081,  
0.2615

■ 47.3392, 0.2039,  
0.2528

■ 46.4484, 0.2028,  
0.2502

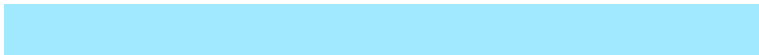
# Harmonies

## Analogous

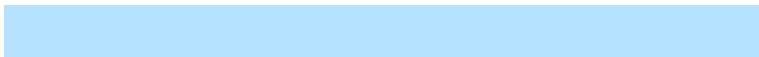
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0749, 0.2672, 0.3304



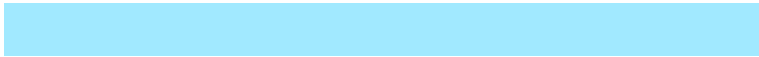
73.0749, 0.2574, 0.3040



73.0749, 0.2614, 0.2861

# Triad

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



73.0749, 0.2574, 0.3040



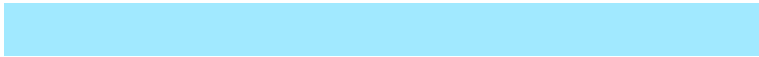
73.0749, 0.3354, 0.3022



73.0749, 0.3462, 0.3813

# Complementary

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



73.0749, 0.2574, 0.3040



57.6486, 0.3946, 0.3523

# 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.



73.0749, 0.3661, 0.3705



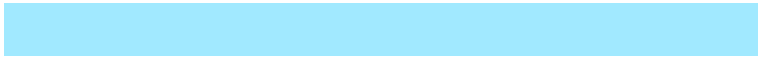
73.0749, 0.2574, 0.3040



73.0749, 0.3600, 0.3249

# Square

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



73.0749, 0.2574, 0.3040



73.0749, 0.3054, 0.2861



73.0749, 0.3714, 0.3496

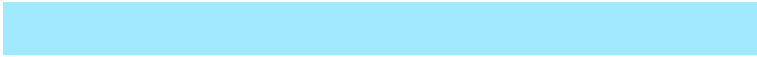


73.0749, 0.3179, 0.3772

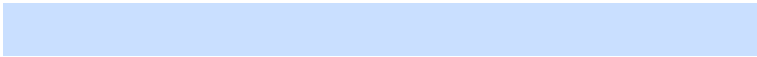


# Rectangle

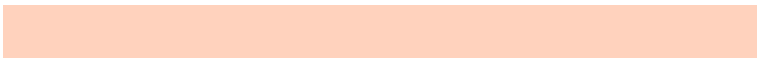
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0749, 0.2574, 0.3040



73.0749, 0.2716, 0.2808



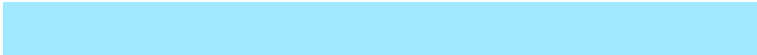
73.0749, 0.3714, 0.3496



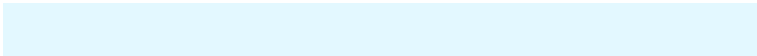
73.0749, 0.3541, 0.3792

# Sweetspot

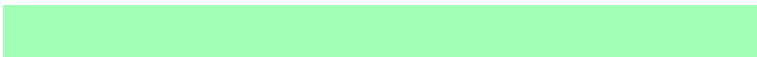
The Sweet Spot groups the original color and five complimentary colors.



73.0778, 0.2574, 0.3040



90.9552, 0.2957, 0.3224



82.4887, 0.2963, 0.4145



19.2428, 0.2936, 0.3215



0.0000, 0.0000, 0.0000

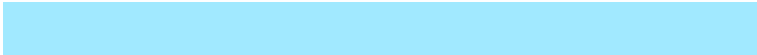


21.4041, 0.3127, 0.3290

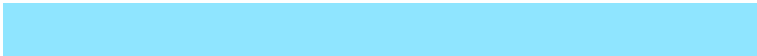


# Same Dimension

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



73.0778, 0.2574, 0.3040



68.9720, 0.2479, 0.2983



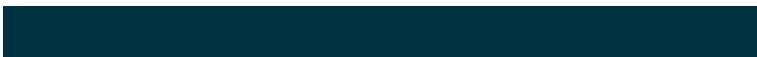
49.9121, 0.2493, 0.2474



19.7201, 0.2980, 0.3233



24.5152, 0.2032, 0.2516



2.5528, 0.2060, 0.2615



# Inverse Universe

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



52.6069, 0.3351, 0.2567



46.4911, 0.3408, 0.2432



80.3634, 0.3768, 0.3988



18.2236, 0.3174, 0.3110



13.2028, 0.3907, 0.1926

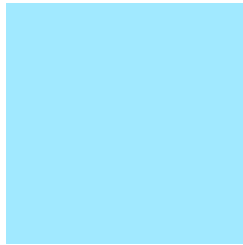


1.3022, 0.3810, 0.1873



# Previews

## White Background



This preview shows how the Yxy color 73.0749, 0.2574, 0.3040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

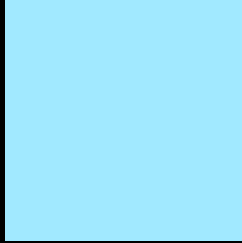
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0749, 0.2574, 0.3040 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 73.0749, 0.2574, 0.3040**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0749, 0.2574, 0.3040.

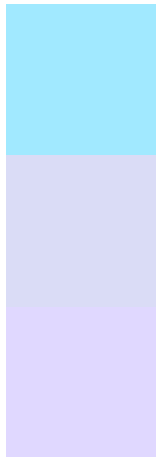


This preview shows how white text looks on a background with the Yxy color 73.0749, 0.2574, 0.3040.

# 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

73.0749, 0.2574, 0.3040

### Protanopia

72.7456, 0.2947, 0.3014

### Deuteranopia

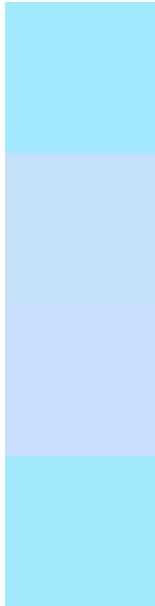
72.1790, 0.2932, 0.2885



## Tritanopia

72.7797, 0.2584, 0.3072

# Trichromacy



**Original Color**

73.0749, 0.2574, 0.3040

**Protanomaly**

72.5603, 0.2797, 0.3027

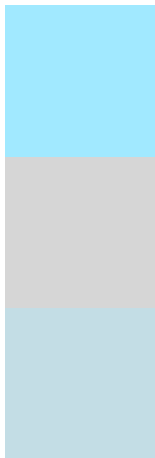
**Deuteranomaly**

71.8801, 0.2786, 0.2934

**Tritanomaly**

72.8433, 0.2579, 0.3061

# Monochromacy



**Original Color**

73.0749, 0.2574, 0.3040

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.9721, 0.2899, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0749, 0.2574, 0.3040 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(161, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 233, 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(161, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 233, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0749, 0.2574, 0.3040 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(161, 233, 255) }
```

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

```
.border{ border-color:rgb(161, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 233,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0749, 0.2574, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 233, 255) }
```

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

```
.background{ background-color: rgb(161,  
233, 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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