

# Converting Colors

$Yxy(73.9810, 0.2552, 0.3068)$

Have a look what the booklet for  
Yxy(73.9810, 0.2552, 0.3068)  
contains.

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# Color

**Yxy(74.2788, 0.2555, 0.3073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CECFE
RGB	156, 236, 255
RGB Percent	61%, 93%, 100%
CMY	0.3881, 0.0745, 0.0001
CMYK	0.39, 0.07, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 39%, 100%
XYZ	61.7580, 74.2788, 105.6775
YIQ	214.2460, -53.7790, -11.0510

# Conversions

## Conversions Part 2

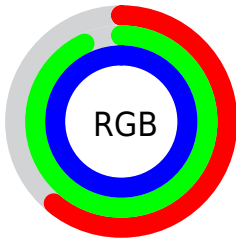
Format	Color
R <sub>Y</sub> B	156, 200, 255
Decimal	10284287
CIE Lab	89.05, -19.75, -16.89
CIE LCh	89, 25.989, 220.533
Yxy	74.2788, 0.2555, 0.3073
Android (android.graphics.Color)	4288474367 (0xFF9CECFF)
YUV	214.2460, 20.0917, -51.0817
Hunter-Lab	86.1851, -22.9156, -12.3699

# Details

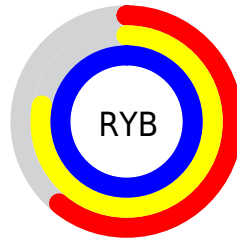
The Yxy color **74.2788, 0.2555, 0.3073** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3264, 0.4023, 0.3492**, and the grayscale version is **67.3144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **39.3724, 0.2428, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **69.2198, 0.2430, 0.3007**, and if you desaturate by 10%, it is **79.9547, 0.2692, 0.3135**.

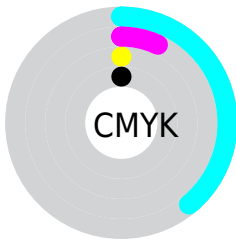
# Distribution



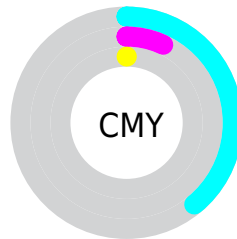
- Red (61%)
- Green (93%)
- Blue (100%)



- Red (61%)
- Yellow (78%)
- Blue (100%)



- Cyan (39%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2788, 0.2555, 0.3073 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 74.2788, 0.2555, 0.3073 by changing the saturation by 10% instead.





 74.2788, 0.2555,  
0.3073


 74.2788, 0.2555,  
0.3073

475.4350, 0.2813,  
0.3178

 55.0223, 0.2498,  
0.3048


 125.2909, 0.2643,  
0.3110

 39.4195, 0.2428,  
0.3017

 157.8153, 0.2678,  
0.3125

 27.0863, 0.2342,  
0.2976


195.5311, 0.2708,  
0.3137

 17.6380, 0.2231,  
0.2922

238.8227, 0.2734,  
0.3147

 10.6904, 0.2085,  
0.2847

288.0745, 0.2757,  
0.3157

 5.8591, 0.1886,  
0.2737

343.6709, 0.2778,

 2.7596, 0.1599,

0.3165

405.9963, 0.2796,  
0.3172

0.2561

1.0075, 0.1062,  
0.2274

0.0000, 0.0000,  
0.0000

74.2788, 0.2555,  
0.3073

74.2788, 0.2555,  
0.3073

69.2198, 0.2430,  
0.3007

79.9547, 0.2692,  
0.3135

64.7348, 0.2321,  
0.2939

86.2701, 0.2838,  
0.3193

60.7885, 0.2230,  
0.2869

93.2569, 0.2991,  
0.3247

57.3374, 0.2159,  
0.2798

99.9991, 0.3127,  
0.3290

■ 54.3304, 0.2107,  
0.2728

■ 51.6933, 0.2073,  
0.2658

■ 51.3920, 0.2070,  
0.2650

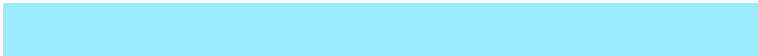
# Harmonies

## Analogous

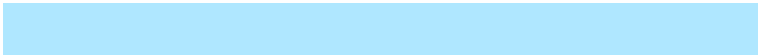
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2788, 0.2684, 0.3361



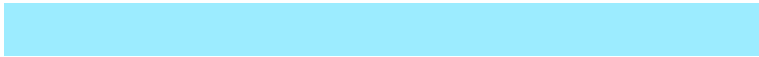
74.2788, 0.2555, 0.3073



74.2788, 0.2570, 0.2865

# Triad

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



74.2788, 0.2555, 0.3073



74.2788, 0.3308, 0.2971



74.2788, 0.3527, 0.3830

# Complementary

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



74.2788, 0.2555, 0.3073



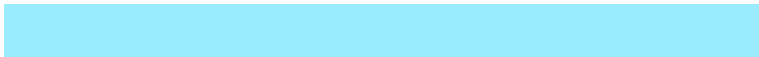
54.3264, 0.4023, 0.3492

# 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.



74.2788, 0.3712, 0.3690



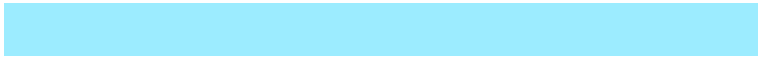
74.2788, 0.2555, 0.3073



74.2788, 0.3585, 0.3199

# Square

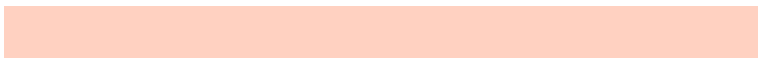
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.2788, 0.2555, 0.3073



74.2788, 0.2992, 0.2820



74.2788, 0.3736, 0.3458

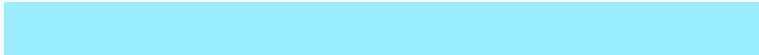


74.2788, 0.3239, 0.3820

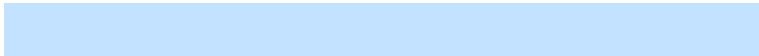


# Rectangle

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



74.2788, 0.2555, 0.3073



74.2788, 0.2659, 0.2793



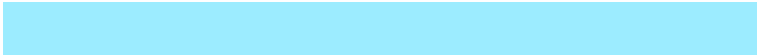
74.2788, 0.3736, 0.3458



74.2788, 0.3604, 0.3798

# Sweetspot

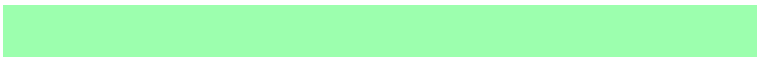
The Sweet Spot groups the original color and five complimentary colors.



74.2817, 0.2555, 0.3073



90.9623, 0.2941, 0.3230



81.6456, 0.2981, 0.4260



19.2721, 0.2922, 0.3223



0.0000, 0.0000, 0.0000

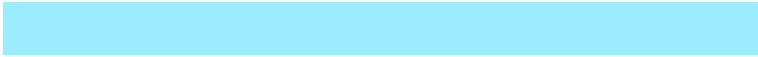


21.4041, 0.3127, 0.3290

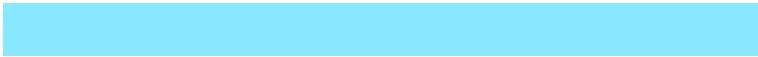


# Same Dimension

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



74.2817, 0.2555, 0.3073



70.0992, 0.2452, 0.3019



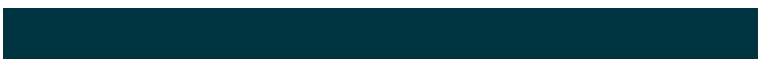
49.9876, 0.2465, 0.2484



19.8541, 0.2980, 0.3243



27.0675, 0.2073, 0.2662



2.7805, 0.2095, 0.2741



# Inverse Universe

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



51.1018, 0.3330, 0.2493



44.4563, 0.3386, 0.2334



76.7831, 0.3824, 0.3979



18.2371, 0.3168, 0.3100



13.4604, 0.3765, 0.1848

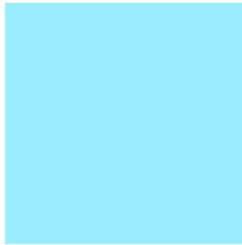


1.3252, 0.3689, 0.1806



# Previews

## White Background



This preview shows how the Yxy color 74.2788, 0.2555, 0.3073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

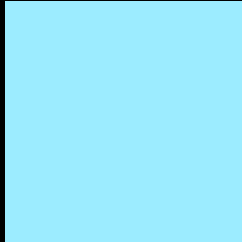
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2788, 0.2555, 0.3073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

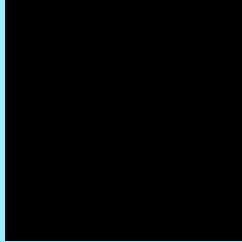
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.2788, 0.2555, 0.3073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2788, 0.2555, 0.3073.

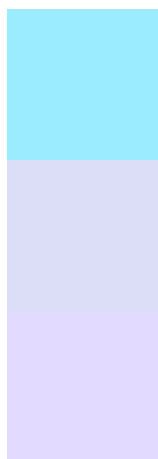


This preview shows how white text looks on a background with the Yxy color 74.2788, 0.2555, 0.3073.

# 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

74.2788, 0.2555, 0.3073

### Protanopia

73.5824, 0.2961, 0.3026

### Deuteranopia

73.5316, 0.2945, 0.2908



## Tritanopia

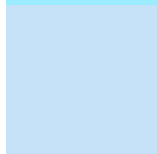
74.2788, 0.2555, 0.3073

# Trichromacy



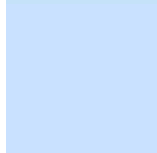
## Original Color

74.2788, 0.2555, 0.3073



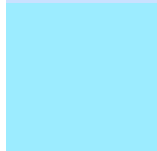
## Protanomaly

73.1026, 0.2798, 0.3038



## Deuteranomaly

73.4879, 0.2788, 0.2967



## Tritanomaly

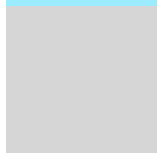
74.2788, 0.2555, 0.3073

# Monochromacy



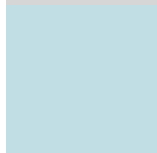
## Original Color

74.2788, 0.2555, 0.3073



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.2372, 0.2886, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2788, 0.2555, 0.3073 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(156, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 236, 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(156, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2788, 0.2555, 0.3073 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(156, 236, 255) }
```

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

```
.border{ border-color:rgb(156, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2788, 0.2555, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 236, 255) }
```

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

```
.background{ background-color: rgb(156,  
236, 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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