

Converting Colors

$Y_{xy}(75.2931, 0.2507, 0.2948)$

Have a look what the booklet for
Yxy(75.2931, 0.2507, 0.2948)
contains.

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Color

Yxy(74.3790, 0.2560, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	9DECFF
RGB	157, 236, 255
RGB Percent	62%, 93%, 100%
CMY	0.3840, 0.0746, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	61.9623, 74.3790, 105.6990
YIQ	214.5450, -53.1830, -10.8390

Conversions

Conversions Part 2

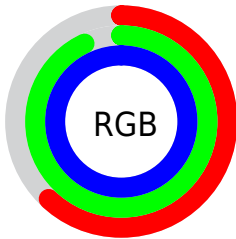
Format	Color
R _Y B	157, 201, 255
Decimal	10349823
CIE _{Lab}	89.10, -19.48, -16.82
CIE _{LCh}	89, 25.737, 220.814
Y _{xy}	74.3790, 0.2560, 0.3073
Android (android.graphics.Color)	4288539903 (0xFF9DECFF)
YUV	214.5450, 19.9443, -50.4670
Hunter-Lab	86.2433, -22.6806, -12.2950

Details

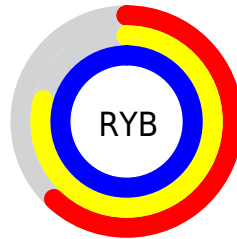
The Yxy color **74.3790, 0.2560, 0.3073** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.7869, 0.4008, 0.3493**, and the grayscale version is **67.5350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **39.4291, 0.2433, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **69.2657, 0.2435, 0.3007**, and if you desaturate by 10%, it is **80.1122, 0.2698, 0.3136**.

Distribution



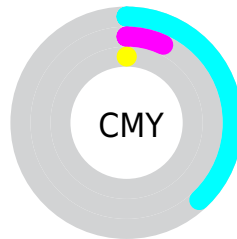
- Red (62%)
- Green (93%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3790, 0.2560, 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 74.3790, 0.2560, 0.3073 by changing the saturation by 10% instead.

 74.3790, 0.2560,
0.3073


 74.3790, 0.2560,
0.3073


475.7804, 0.2816,
0.3178

 55.1043, 0.2503,
0.3048

 125.4329, 0.2647,
0.3110

 39.4852, 0.2434,
0.3017


 157.9809, 0.2682,
0.3125

 27.1374, 0.2348,
0.2976

195.7221, 0.2711,
0.3137

 17.6765, 0.2239,
0.2923

239.0410, 0.2738,
0.3147

 10.7179, 0.2094,
0.2848

288.3218, 0.2761,
0.3157

 5.8775, 0.1896,
0.2738

343.9491, 0.2781,

 2.7707, 0.1611,

0.3165

0.2563

406.3071, 0.2799,
0.3172

■ 1.0132, 0.1083,
0.2277

■ 0.0000, 0.0000,
0.0000

■ 74.3790, 0.2560,
0.3073

■ 74.3790, 0.2560,
0.3073

■ 69.2657, 0.2435,
0.3007

■ 80.1122, 0.2698,
0.3136

■ 64.7297, 0.2325,
0.2938

■ 86.4883, 0.2844,
0.3195

■ 60.7360, 0.2232,
0.2867

■ 93.5390, 0.2997,
0.3248

■ 57.2413, 0.2160,
0.2795

100.0000, 0.3127,
0.3290

■ 54.1947, 0.2107,
0.2724

■ 51.5252, 0.2072,
0.2653

■ 51.1169, 0.2067,
0.2642

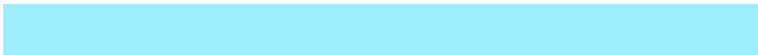
Harmonies

Analogous

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



74.3790, 0.2686, 0.3358



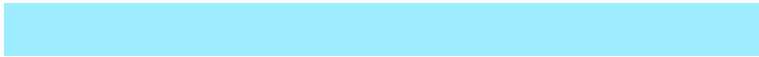
74.3790, 0.2560, 0.3073



74.3790, 0.2576, 0.2868

Triad

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



74.3790, 0.2560, 0.3073



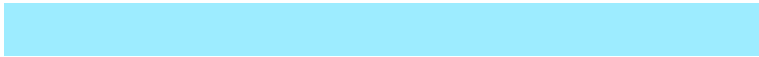
74.3790, 0.3309, 0.2976



74.3790, 0.3521, 0.3825

Complementary

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



74.3790, 0.2560, 0.3073



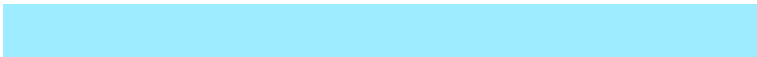
54.7869, 0.4008, 0.3493

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.



74.3790, 0.3705, 0.3688



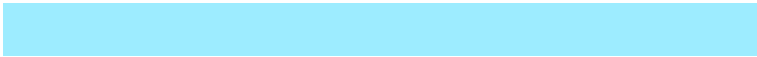
74.3790, 0.2560, 0.3073



74.3790, 0.3582, 0.3202

Square

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



74.3790, 0.2560, 0.3073



74.3790, 0.2996, 0.2825



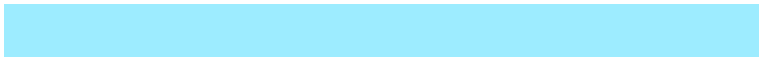
74.3790, 0.3730, 0.3459



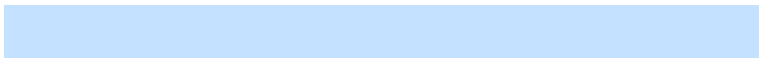
74.3790, 0.3235, 0.3813

Rectangle

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



74.3790, 0.2560, 0.3073



74.3790, 0.2665, 0.2798



74.3790, 0.3730, 0.3459



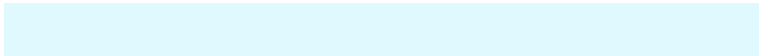
74.3790, 0.3597, 0.3794

Sweetspot

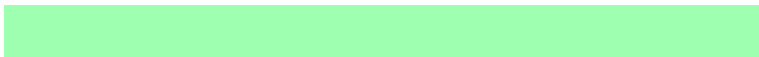
The Sweet Spot groups the original color and five complimentary colors.



74.3818, 0.2560, 0.3073



90.9189, 0.2941, 0.3230



81.7937, 0.2982, 0.4248



19.2618, 0.2922, 0.3223



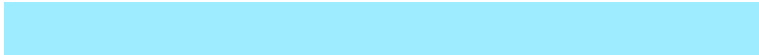
0.0000, 0.0000, 0.0000



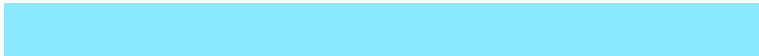
21.4041, 0.3127, 0.3290

Same Dimension

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



74.3818, 0.2560, 0.3073



70.4376, 0.2463, 0.3023



50.4035, 0.2473, 0.2494



19.8467, 0.2980, 0.3243



26.9223, 0.2071, 0.2654



2.7676, 0.2093, 0.2734

Inverse Universe

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



51.4594, 0.3330, 0.2503



45.1900, 0.3381, 0.2355



77.0058, 0.3816, 0.3972



18.2363, 0.3168, 0.3101



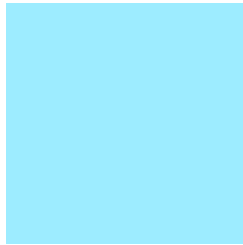
13.4458, 0.3772, 0.1852



1.3239, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 74.3790, 0.2560, 0.3073 looks on a white background.

Color Contrast Check

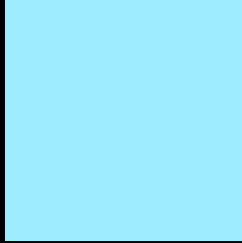
Large Text (above 18pt) WCAG AA × Fail

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 74.3790, 0.2560, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

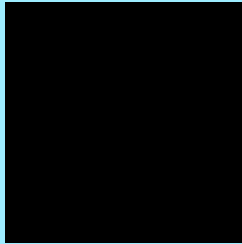
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3790, 0.2560, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 74.3790, 0.2560, 0.3073.

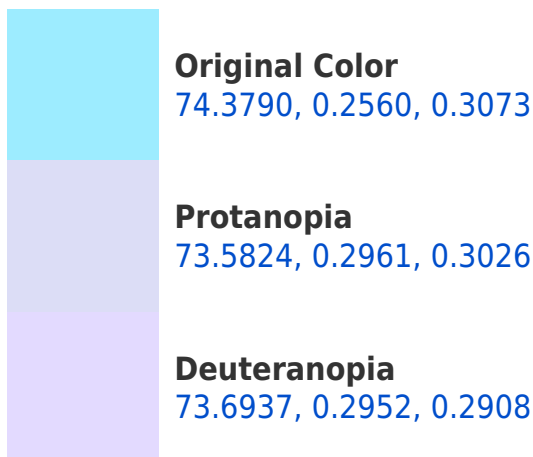


This preview shows how white text looks on a background with the Yxy color 74.3790, 0.2560, 0.3073.

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





Tritanopia

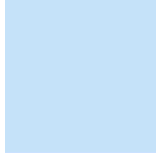
74.3790, 0.2560, 0.3073

Trichromacy



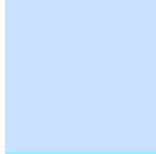
Original Color

74.3790, 0.2560, 0.3073



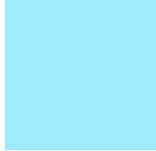
Protanomaly

73.1026, 0.2798, 0.3038



Deuteranomaly

73.6270, 0.2794, 0.2967



Tritanomaly

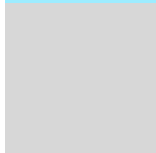
74.3790, 0.2560, 0.3073

Monochromacy



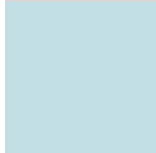
Original Color

74.3790, 0.2560, 0.3073



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.9579, 0.2887, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3790, 0.2560, 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(157, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.3790, 0.2560, 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(157, 236, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3790, 0.2560, 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(157, 236, 255) }
```

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

```
.background{ background-color: rgb(157,  
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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