

# Converting Colors

$Yxy(71.1326, 0.2387, 0.3011)$

Have a look what the booklet for  
Yxy(71.1326, 0.2387, 0.3011)  
contains.

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# Color

**Yxy(70.7016, 0.2402, 0.3052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79EBFF
RGB	121, 235, 255
RGB Percent	47%, 92%, 100%
CMY	0.5254, 0.0784, 0.0000
CMYK	0.53, 0.08, 0.00, 0.00
HSL	189°, 100%, 74%
HSV	189°, 53%, 100%
XYZ	55.6439, 70.7016, 105.3111
YIQ	203.1940, -74.3640, -17.9480

# Conversions

## Conversions Part 2

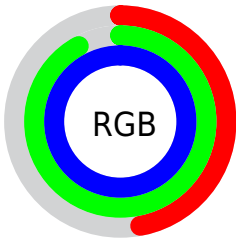
Format	Color
<a href="#">RYB</a>	<a href="#">121, 183, 255</a>
Decimal	<a href="#">7990271</a>
CIELab	<a href="#">87.34, -27.15, -19.62</a>
CIELCh	<a href="#">87, 33.499, 215.845</a>
Yxy	<a href="#">70.7016, 0.2402, 0.3052</a>
Android (android.graphics.Color)	<a href="#">4286180351 (0xFF79EBFF)</a>
YUV	<a href="#">203.1940, 25.5404, -72.0841</a>
Hunter-Lab	<a href="#">84.0842, -29.0226, -15.3986</a>

# Details

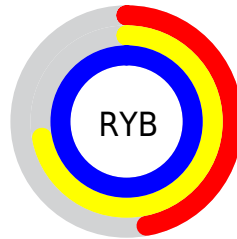
The Yxy color **70.7016, 0.2402, 0.3052** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.6924, 0.4548, 0.3498**, and the grayscale version is **59.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **37.1017, 0.2244, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **66.9434, 0.2305, 0.2999**, and if you desaturate by 10%, it is **74.9985, 0.2516, 0.3103**.

# Distribution



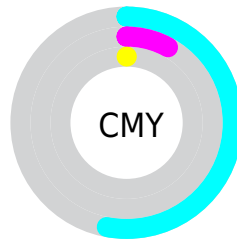
- Red (47%)
- Green (92%)
- Blue (100%)



- Red (47%)
- Yellow (72%)
- Blue (100%)



- Cyan (53%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (53%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7016, 0.2402, 0.3052 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 70.7016, 0.2402, 0.3052 by changing the saturation by 10% instead.





 70.7016, 0.2402,  
0.3052


 70.7016, 0.2402,  
0.3052


463.0096, 0.2729,  
0.3171

 52.0987, 0.2330,  
0.3023


 120.2087, 0.2514,  
0.3095

 37.0838, 0.2242,  
0.2986


 151.8818, 0.2558,  
0.3111

 25.2724, 0.2133,  
0.2938


 188.6804, 0.2596,  
0.3125

 16.2801, 0.1994,  
0.2872

230.9888, 0.2629,  
0.3137

 9.7226, 0.1813,  
0.2780

279.1916, 0.2659,  
0.3147

 5.2154, 0.1568,  
0.2642

333.6730, 0.2685,

 2.3742, 0.1227,

0.3156

0.2419

394.8176, 0.2708,  
0.3164

0.8126, 0.0285,  
0.2116

0.0000, 0.0000,  
0.0000

70.7016, 0.2402,  
0.3052

70.7016, 0.2402,  
0.3052

66.9434, 0.2305,  
0.2999

74.9985, 0.2516,  
0.3103

63.6764, 0.2227,  
0.2946


79.8613, 0.2645,  
0.3152


60.8577, 0.2169,  
0.2892

85.3248, 0.2785,  
0.3198

58.4320, 0.2130,  
0.2839

91.4185, 0.2934,  
0.3241

 56.8174, 0.2111,  
0.2799

 98.1698, 0.3088,  
0.3281

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

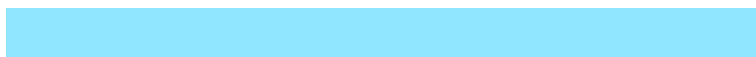
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7016, 0.2591, 0.3442



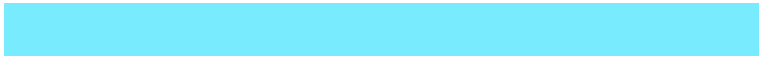
70.7016, 0.2402, 0.3052



70.7016, 0.2393, 0.2765

# Triad

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



70.7016, 0.2402, 0.3052



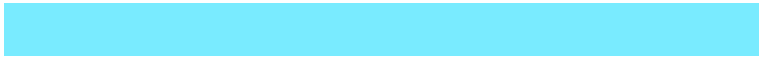
70.7016, 0.3295, 0.2841



70.7016, 0.3695, 0.3978

# Complementary

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



70.7016, 0.2402, 0.3052



41.6924, 0.4548, 0.3498

# 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.



70.7016, 0.3913, 0.3759



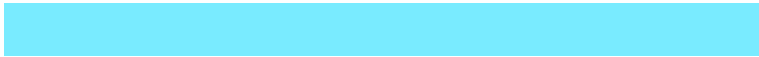
70.7016, 0.2402, 0.3052



70.7016, 0.3679, 0.3118

# Square

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



70.7016, 0.2402, 0.3052



70.7016, 0.2886, 0.2668



70.7016, 0.3911, 0.3445



70.7016, 0.3330, 0.4011



# Rectangle

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



70.7016, 0.2402, 0.3052



70.7016, 0.2488, 0.2661



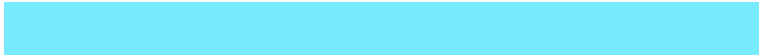
70.7016, 0.3911, 0.3445



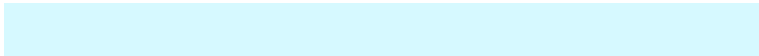
70.7016, 0.3788, 0.3921

# Sweetspot

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



70.7043, 0.2402, 0.3052



89.2438, 0.2881, 0.3227



77.4405, 0.2972, 0.4765



18.8319, 0.2851, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

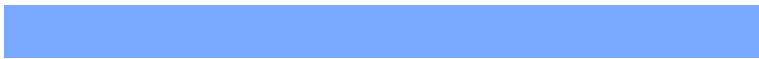
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7043, 0.2402, 0.3052



66.7881, 0.2301, 0.2997



40.0903, 0.2233, 0.2219



19.9923, 0.2980, 0.3254



29.8666, 0.2113, 0.2808



3.0280, 0.2130, 0.2869



# Inverse Universe

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



40.9373, 0.3369, 0.2187



35.0991, 0.3430, 0.2017



66.7187, 0.4147, 0.4146



18.2510, 0.3161, 0.3090



13.7430, 0.3627, 0.1772

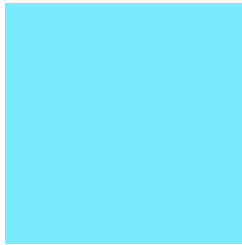


1.3502, 0.3572, 0.1741



# Previews

## White Background



This preview shows how the Yxy color 70.7016, 0.2402, 0.3052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

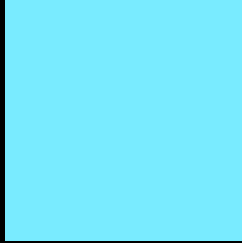
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7016, 0.2402, 0.3052 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 70.7016, 0.2402, 0.3052**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7016, 0.2402, 0.3052.

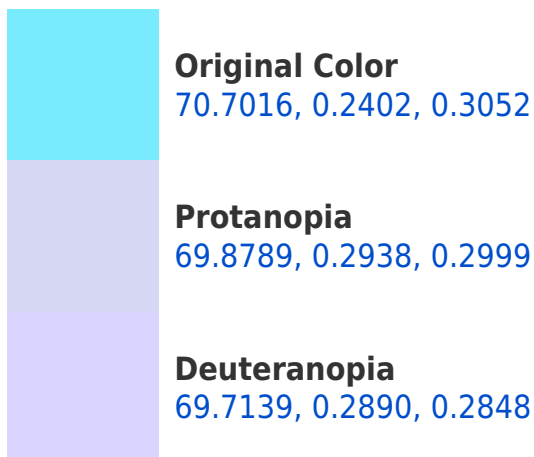


This preview shows how white text looks on a background with the Yxy color 70.7016, 0.2402, 0.3052.

# 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

70.6374, 0.2406, 0.3063

# Trichromacy



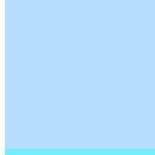
## Original Color

70.7016, 0.2402, 0.3052



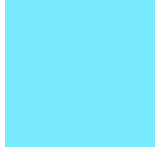
## Protanomaly

69.1941, 0.2704, 0.3018



## Deuteranomaly

69.0002, 0.2676, 0.2911



## Tritanomaly

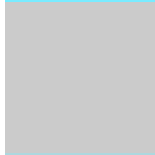
70.6374, 0.2406, 0.3063

# Monochromacy



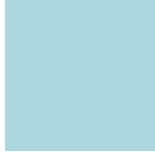
## Original Color

70.7016, 0.2402, 0.3052



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.7590, 0.2794, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7016, 0.2402, 0.3052 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(121, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7016, 0.2402, 0.3052 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(121, 235, 255) }
```

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

```
.border{ border-color:rgb(121, 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(121, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 235, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 235, 255); box-shadow:4px 4px 4px 4px rgb(121, 235, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7016, 0.2402, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 235, 255) }
```

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

```
.background{ background-color: rgb(121,  
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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