

# Converting Colors

$Yxy(70.1172, 0.2339, 0.3062)$

Have a look what the booklet for  
Yxy(70.1172, 0.2339, 0.3062)  
contains.

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# Color

**Yxy(70.0357, 0.2339, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66ECFF
RGB	102, 236, 255
RGB Percent	40%, 93%, 100%
CMY	0.5996, 0.0745, 0.0000
CMYK	0.60, 0.07, 0.00, 0.00
HSL	187°, 100%, 70%
HSV	187°, 60%, 100%
XYZ	53.5338, 70.0357, 105.3053
YIQ	198.1000, -85.9630, -22.4990

# Conversions

## Conversions Part 2

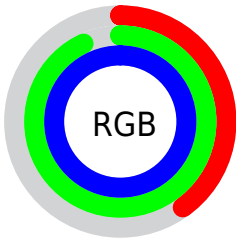
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 173, 255
Decimal	6745343
CIELab	87.01, -31.11, -20.17
CIELCh	87, 37.076, 212.965
Yxy	70.0357, 0.2339, 0.3060
Android (android.graphics.Color)	4284935423 (0xFF66ECFF)
YUV	198.1000, 28.0517, -84.2797
Hunter-Lab	83.6873, -32.2684, -16.0246

# Details

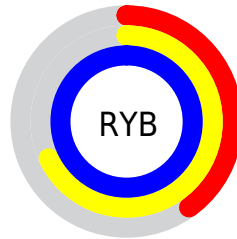
The Yxy color **70.0357, 0.2339, 0.3060** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.9252, 0.4889, 0.3478**, and the grayscale version is **56.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **36.7262, 0.2168, 0.3001** is the 20% darker color. If you saturate the color by 10%, you get **66.9592, 0.2260, 0.3016**, and if you desaturate by 10%, it is **73.6077, 0.2437, 0.3103**.

# Distribution



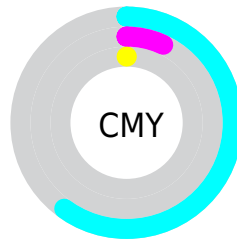
- Red (40%)
- Green (93%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0357, 0.2339, 0.3060 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 70.0357, 0.2339, 0.3060 by changing the saturation by 10% instead.




 70.0357, 0.2339,  
0.3060

 70.0357, 0.2339,  
0.3060

460.6753, 0.2694,  
0.3178

 51.5556, 0.2261,  
0.3031


 119.2597, 0.2460,  
0.3103

 36.6510, 0.2166,  
0.2993

 150.7724, 0.2508,  
0.3119

 24.9374, 0.2048,  
0.2944


 187.3981, 0.2549,  
0.3133

 16.0304, 0.1899,  
0.2878

229.5211, 0.2585,  
0.3144

 9.5457, 0.1705,  
0.2783

277.5260, 0.2617,  
0.3154

 5.0988, 0.1446,  
0.2639

331.7971, 0.2646,

 2.3053, 0.1090,

0.3163

392.7187, 0.2671,  
0.3171

0.2405

0.7765, 0.0000,  
0.2102

0.0000, 0.0000,  
0.0000

70.0357, 0.2339,  
0.3060

70.0357, 0.2339,  
0.3060

66.9592, 0.2260,  
0.3016

73.6077, 0.2437,  
0.3103

64.3272, 0.2200,  
0.2972

77.7060, 0.2553,  
0.3145

62.0900, 0.2159,  
0.2928

82.3674, 0.2682,  
0.3185

60.1631, 0.2135,  
0.2885

87.6229, 0.2823,  
0.3223

■ 60.1549, 0.2135,  
0.2885

■ 93.5016, 0.2973,  
0.3258

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



70.0357, 0.2563, 0.3501



70.0357, 0.2339, 0.3060



70.0357, 0.2311, 0.2730

# Triad

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



70.0357, 0.2339, 0.3060



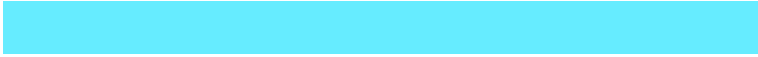
70.0357, 0.3267, 0.2772



70.0357, 0.3786, 0.4035

# Complementary

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



70.0357, 0.2339, 0.3060



35.9252, 0.4889, 0.3478

# 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.



70.0357, 0.4010, 0.3773



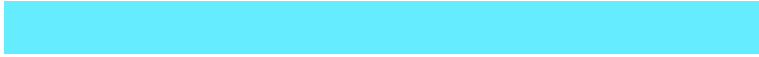
70.0357, 0.2339, 0.3060



70.0357, 0.3705, 0.3065

# Square

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



70.0357, 0.2339, 0.3060



70.0357, 0.2819, 0.2595



70.0357, 0.3984, 0.3421



70.0357, 0.3391, 0.4102

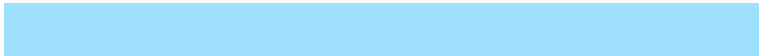


# Rectangle

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



70.0357, 0.2339, 0.3060



70.0357, 0.2402, 0.2606



70.0357, 0.3984, 0.3421



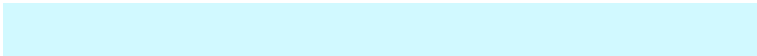
70.0357, 0.3885, 0.3964

# Sweetspot

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



70.0382, 0.2339, 0.3060



88.7230, 0.2852, 0.3230



75.7061, 0.2969, 0.5035



18.6420, 0.2810, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

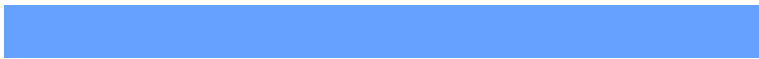
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0382, 0.2339, 0.3060



66.3865, 0.2246, 0.3007



35.4430, 0.2116, 0.2070



20.0732, 0.2980, 0.3260



31.5840, 0.2137, 0.2892



3.1787, 0.2150, 0.2941



# Inverse Universe

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



36.8405, 0.3374, 0.2033



31.6537, 0.3433, 0.1870



61.8789, 0.4331, 0.4222



18.2592, 0.3157, 0.3084



13.9164, 0.3551, 0.1730

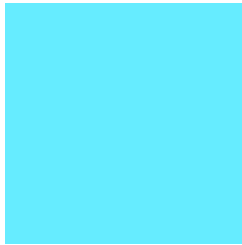


1.3654, 0.3506, 0.1705



# Previews

## White Background



This preview shows how the Yxy color 70.0357, 0.2339, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

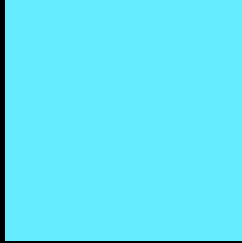
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0357, 0.2339, 0.3060 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 70.0357, 0.2339, 0.3060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0357, 0.2339, 0.3060.

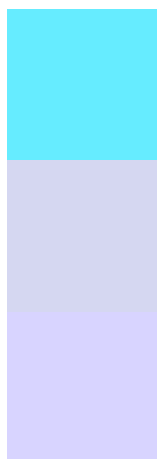


This preview shows how white text looks on a background with the Yxy color 70.0357, 0.2339, 0.3060.

# 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

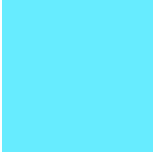
70.0357, 0.2339, 0.3060

### Protanopia

69.0979, 0.2944, 0.3008

### Deuteranopia

68.9059, 0.2877, 0.2835



## **Tritanopia**

70.0945, 0.2342, 0.3060

# Trichromacy



## Original Color

70.0357, 0.2339, 0.3060



## Protanomaly

68.3134, 0.2669, 0.3026



## Deuteranomaly

68.0469, 0.2630, 0.2906



## Tritanomaly

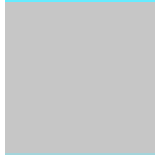
70.0945, 0.2342, 0.3060

# Monochromacy



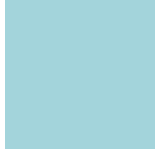
## Original Color

70.0357, 0.2339, 0.3060



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

59.9880, 0.2746, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0357, 0.2339, 0.3060 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(102, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0357, 0.2339, 0.3060 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(102, 236, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0357, 0.2339, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 236, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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