

# Converting Colors

$Yxy(76.5858, 0.1996, 0.2268)$

Have a look what the booklet for  
Yxy(76.5858, 0.1996, 0.2268)  
contains.

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# Color

**Yxy(69.8229, 0.2241, 0.3092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39EFFF
RGB	57, 239, 255
RGB Percent	22%, 94%, 100%
CMY	0.7758, 0.0627, 0.0001
CMYK	0.78, 0.06, 0.00, 0.00
HSL	185°, 100%, 61%
HSV	185°, 78%, 100%
XYZ	50.6058, 69.8229, 105.3892
YIQ	186.4060, -113.6080, -33.6080

# Conversions

## Conversions Part 2

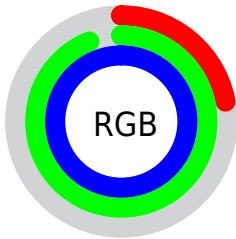
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	57, 152, 255
Decimal	3796991
CIE <sub>Lab</sub>	86.91, -38.33, -20.41
CIE <sub>LCh</sub>	87, 43.421, 208.033
Yxy	69.8229, 0.2241, 0.3092
Android (android.graphics.Color)	4281987071 (0xFF39EFFF)
YUV	186.4060, 33.8168, -113.4891
Hunter-Lab	83.5601, -38.1267, -16.2868

# Details

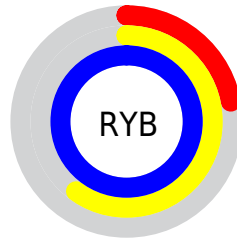
The Yxy color **69.8229, 0.2241, 0.3092** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.3335, 0.5737, 0.3405**, and the grayscale version is **49.2233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **68.0542, 0.2202, 0.3064**, and if you desaturate by 10%, it is **71.9865, 0.2300, 0.3120**.

# Distribution



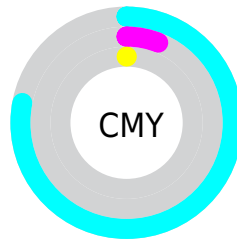
- Red (22%)
- Green (94%)
- Blue (100%)



- Red (22%)
- Yellow (60%)
- Blue (100%)



- Cyan (78%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (78%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8229, 0.2241, 0.3092 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 69.8229, 0.2241, 0.3092 by changing the saturation by 10% instead.





 69.8229, 0.2241,  
0.3092

 69.8229, 0.2241,  
0.3092


459.9279, 0.2639,  
0.3198


 51.3822, 0.2154,  
0.3065


 118.9562, 0.2376,  
0.3131


 36.5128, 0.2049,  
0.3029


 150.4175, 0.2429,  
0.3146

 24.8305, 0.1919,  
0.2982


 186.9878, 0.2476,  
0.3158

 15.9508, 0.1755,  
0.2917

 229.0515, 0.2516,  
0.3169

 9.4894, 0.1545,  
0.2823

276.9929, 0.2552,  
0.3178

 5.0617, 0.1268,  
0.2678

331.1966, 0.2584,

 2.2835, 0.0900,

0.3185

0.2435

392.0468, 0.2613,  
0.3192

0.7650, 0.0000,  
0.2072

0.0000, 0.0000,  
0.0000

69.8229, 0.2241,  
0.3092

69.8229, 0.2241,  
0.3092

68.0542, 0.2202,  
0.3064

71.9865, 0.2300,  
0.3120

66.6075, 0.2179,  
0.3037

74.5868, 0.2378,  
0.3148

66.2830, 0.2175,  
0.3030

77.6684, 0.2475,  
0.3176

81.2684, 0.2589,  
0.3202

85.4200, 0.2718,  
0.3228

90.1538, 0.2859,  
0.3252

95.4978, 0.3009,  
0.3274

99.9979, 0.3127,  
0.3290

# Harmonies

## Analogous

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



69.8229, 0.2529, 0.3624



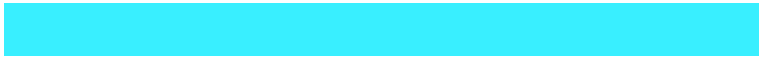
69.8229, 0.2241, 0.3092



69.8229, 0.2174, 0.2683

# Triad

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



69.8229, 0.2241, 0.3092



69.8229, 0.3197, 0.2648



69.8229, 0.3952, 0.4116

# Complementary

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



69.8229, 0.2241, 0.3092



26.3335, 0.5737, 0.3405

# 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.



69.8229, 0.4177, 0.3777



69.8229, 0.2241, 0.3092



69.8229, 0.3727, 0.2964

# Square

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



69.8229, 0.2241, 0.3092



69.8229, 0.2689, 0.2472



69.8229, 0.4099, 0.3363



69.8229, 0.3512, 0.4255

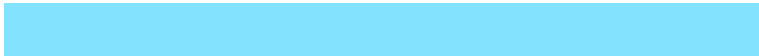


# Rectangle

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



69.8229, 0.2241, 0.3092



69.8229, 0.2253, 0.2521



69.8229, 0.4099, 0.3363



69.8229, 0.4057, 0.4018

# Sweetspot

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



69.8255, 0.2241, 0.3092



87.5390, 0.2782, 0.3239



72.8208, 0.2983, 0.5634



18.3811, 0.2731, 0.3230



0.0000, 0.0000, 0.0000

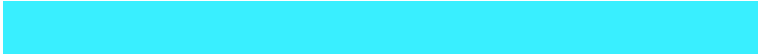


21.4041, 0.3127, 0.3290



# Same Dimension

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



69.8255, 0.2241, 0.3092



67.2549, 0.2188, 0.3049



27.7013, 0.1899, 0.1780



20.2157, 0.2980, 0.3270



34.7492, 0.2176, 0.3035



3.4547, 0.2185, 0.3066



# Inverse Universe

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



30.4284, 0.3365, 0.1757



27.7355, 0.3410, 0.1672



50.0211, 0.4812, 0.4282



18.2736, 0.3150, 0.3074



14.2359, 0.3424, 0.1660

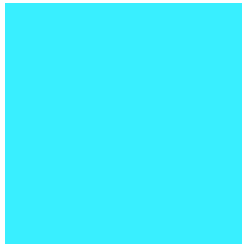


1.3933, 0.3396, 0.1645



# Previews

## White Background



This preview shows how the Yxy color 69.8229, 0.2241, 0.3092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

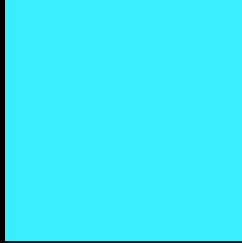
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8229, 0.2241, 0.3092 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

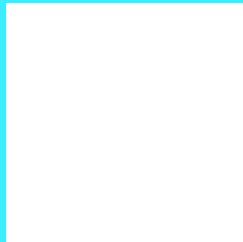
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8229, 0.2241, 0.3092**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8229, 0.2241, 0.3092.

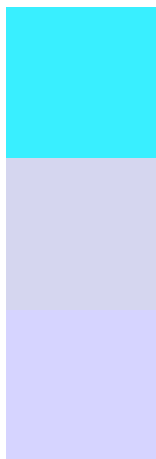


This preview shows how white text looks on a background with the Yxy color 69.8229, 0.2241, 0.3092.

# 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

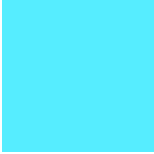
69.8229, 0.2241, 0.3092

### Protanopia

68.4713, 0.2956, 0.3018

### Deuteranopia

68.6031, 0.2863, 0.2833



## **Tritanopia**

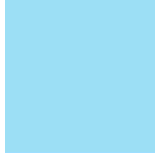
69.7668, 0.2296, 0.3070

# Trichromacy



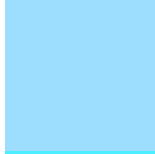
## Original Color

69.8229, 0.2241, 0.3092



## Protanomaly

66.4358, 0.2581, 0.3030



## Deuteranomaly

66.6307, 0.2535, 0.2908



## Tritanomaly

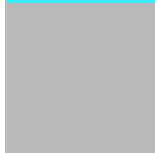
69.9056, 0.2274, 0.3081

# Monochromacy



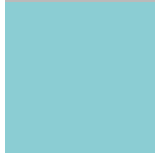
## Original Color

69.8229, 0.2241, 0.3092



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

53.8548, 0.2637, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8229, 0.2241, 0.3092 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(57, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 239, 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(57, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 239, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8229, 0.2241, 0.3092 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(57, 239, 255) }
```

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

```
.border{ border-color:rgb(57, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 239,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8229, 0.2241, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 239, 255) }
```

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

```
.background{ background-color: rgb(57, 239,  
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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