

# Converting Colors

$Yxy(72.6348, 0.2293, 0.2809)$

Have a look what the booklet for  
Yxy(72.6348, 0.2293, 0.2809)  
contains.

<b>Yxy(70.9239, 0.2386, 0.3063)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.9239, 0.2386, 0.3063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74ECFF
RGB	116, 236, 255
RGB Percent	45%, 93%, 100%
CMY	0.5450, 0.0745, 0.0000
CMYK	0.55, 0.07, 0.00, 0.00
HSL	188°, 100%, 73%
HSV	188°, 55%, 100%
XYZ	55.2479, 70.9239, 105.3786
YIQ	202.2860, -77.6190, -19.5310

# Conversions

## Conversions Part 2

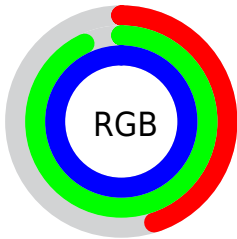
Format	Color
R <sub>Y</sub> B	116, 180, 255
Decimal	7662847
CIE Lab	87.45, -28.62, -19.47
CIE LCh	87, 34.612, 214.235
Yxy	70.9239, 0.2386, 0.3063
Android (android.graphics.Color)	4285852927 (0xFF74ECFF)
YUV	202.2860, 25.9880, -75.6728
Hunter-Lab	84.2163, -30.2783, -15.2372

# Details

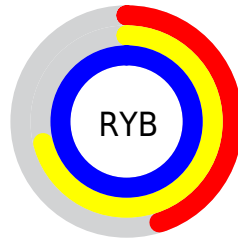
The Yxy color **70.9239, 0.2386, 0.3063** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.8502, 0.4641, 0.3486**, and the grayscale version is **59.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **37.2776, 0.2225, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **67.4252, 0.2295, 0.3015**, and if you desaturate by 10%, it is **74.9466, 0.2495, 0.3110**.

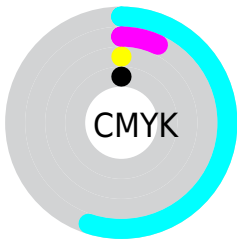
# Distribution



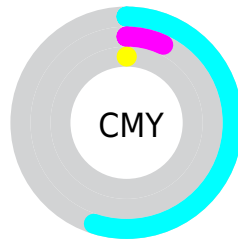
- Red (45%)
- Green (93%)
- Blue (100%)



- Red (45%)
- Yellow (71%)
- Blue (100%)



- Cyan (55%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (55%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9239, 0.2386, 0.3063 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 70.9239, 0.2386, 0.3063 by changing the saturation by 10% instead.





 70.9239, 0.2386,  
0.3063


 70.9239, 0.2386,  
0.3063

463.7874, 0.2720,  
0.3178


 52.2801, 0.2312,  
0.3035


 120.5254, 0.2500,  
0.3105

 37.2284, 0.2223,  
0.2999


 152.2518, 0.2545,  
0.3120

 25.3844, 0.2112,  
0.2952


 189.1079, 0.2584,  
0.3134

 16.3637, 0.1971,  
0.2888

231.4781, 0.2618,  
0.3145

 9.7818, 0.1787,  
0.2798

279.7467, 0.2648,  
0.3155

 5.2546, 0.1539,  
0.2663

334.2982, 0.2675,

 2.3974, 0.1195,

0.3163

0.2442

395.5170, 0.2698,  
0.3171

0.8245, 0.0222,  
0.2150

0.0000, 0.0000,  
0.0000

70.9239, 0.2386,  
0.3063

70.9239, 0.2386,  
0.3063

67.4252, 0.2295,  
0.3015

74.9466, 0.2495,  
0.3110

64.4019, 0.2222,  
0.2966

79.5212, 0.2620,  
0.3155

61.8096, 0.2170,  
0.2917

84.6829, 0.2757,  
0.3198

59.5907, 0.2136,  
0.2869

90.4616, 0.2904,  
0.3238

■ 58.4849, 0.2123,  
0.2842

■ 96.8850, 0.3057,  
0.3275

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



70.9239, 0.2589, 0.3469



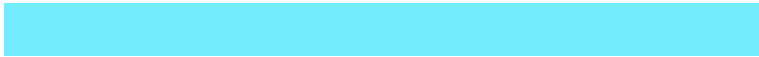
70.9239, 0.2386, 0.3063



70.9239, 0.2367, 0.2760

# Triad

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



70.9239, 0.2386, 0.3063



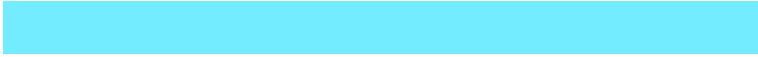
70.9239, 0.3277, 0.2815



70.9239, 0.3729, 0.3991

# Complementary

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



70.9239, 0.2386, 0.3063



39.8502, 0.4641, 0.3486

# 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.



70.9239, 0.3944, 0.3757



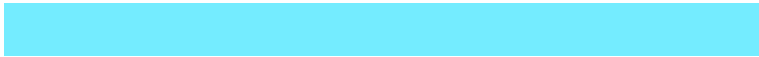
70.9239, 0.2386, 0.3063



70.9239, 0.3679, 0.3095

# Square

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



70.9239, 0.2386, 0.3063



70.9239, 0.2857, 0.2644



70.9239, 0.3929, 0.3430



70.9239, 0.3358, 0.4039

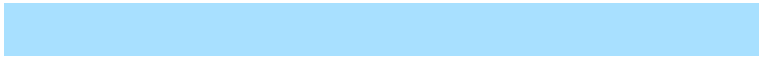


# Rectangle

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



70.9239, 0.2386, 0.3063



70.9239, 0.2458, 0.2647



70.9239, 0.3929, 0.3430



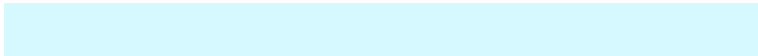
70.9239, 0.3823, 0.3929

# Sweetspot

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



70.9266, 0.2386, 0.3063



89.5606, 0.2882, 0.3232



76.9665, 0.2968, 0.4829



18.9082, 0.2851, 0.3224



0.0000, 0.0000, 0.0000

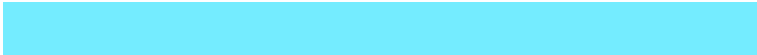


21.4041, 0.3127, 0.3290



# Same Dimension

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



70.9266, 0.2386, 0.3063



67.2675, 0.2290, 0.3012



38.5622, 0.2200, 0.2171



20.0331, 0.2980, 0.3257



30.7251, 0.2125, 0.2850



3.1034, 0.2140, 0.2905



# Inverse Universe

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



39.8099, 0.3364, 0.2138



34.2926, 0.3420, 0.1973



65.7228, 0.4191, 0.4174



18.2552, 0.3159, 0.3087



13.8297, 0.3588, 0.1750

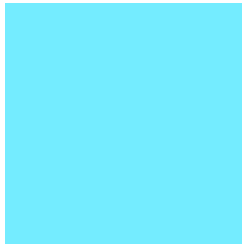


1.3578, 0.3538, 0.1723



# Previews

## White Background



This preview shows how the Yxy color 70.9239, 0.2386, 0.3063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

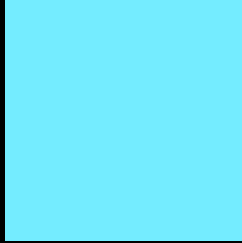
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9239, 0.2386, 0.3063 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 70.9239, 0.2386, 0.3063**

## Background



This preview shows how black text looks on a background with the Yxy color 70.9239, 0.2386, 0.3063.

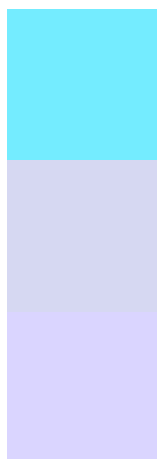


This preview shows how white text looks on a background with the Yxy color 70.9239, 0.2386, 0.3063.

# 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

70.9239, 0.2386, 0.3063

### Protanopia

69.8187, 0.2944, 0.3009

### Deuteranopia

69.7139, 0.2890, 0.2848



## Tritanopia

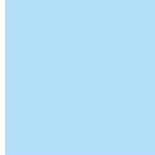
70.9239, 0.2386, 0.3063

# Trichromacy



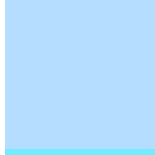
## Original Color

70.9239, 0.2386, 0.3063



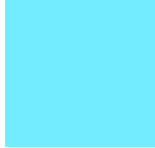
## Protanomaly

68.9557, 0.2692, 0.3017



## Deuteranomaly

68.7567, 0.2665, 0.2910



## Tritanomaly

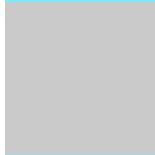
70.9239, 0.2386, 0.3063

# Monochromacy



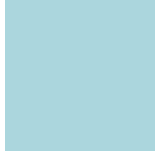
## Original Color

70.9239, 0.2386, 0.3063



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.9715, 0.2787, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9239, 0.2386, 0.3063 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(116, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9239, 0.2386, 0.3063 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(116, 236, 255) }
```

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

```
.border{ border-color:rgb(116, 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(116, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 236, 255); box-shadow:4px 4px 4px 4px rgb(116, 236, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9239, 0.2386, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 236, 255) }
```

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

```
.background{ background-color: rgb(116,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor