

# Converting Colors

$Yxy(69.9465, 0.2404, 0.3034)$

Have a look what the booklet for  
Yxy(69.9465, 0.2404, 0.3034)  
contains.

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# Color

**Yxy(69.7088, 0.2405, 0.3028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BE9FF
RGB	123, 233, 255
RGB Percent	48%, 91%, 100%
CMY	0.5173, 0.0863, 0.0000
CMYK	0.52, 0.09, 0.00, 0.00
HSL	190°, 100%, 74%
HSV	190°, 52%, 100%
XYZ	55.3665, 69.7088, 105.1387
YIQ	202.6180, -72.6220, -16.4780

# Conversions

## Conversions Part 2

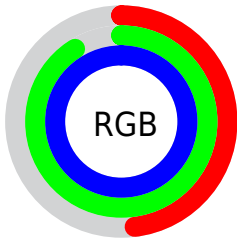
Format	Color
R <sub>Y</sub> B	123, 183, 255
Decimal	8120831
CIE Lab	86.85, -25.76, -20.35
CIE LCh	87, 32.823, 218.308
Yxy	69.7088, 0.2405, 0.3028
Android (android.graphics.Color)	4286310911 (0xFF7BE9FF)
YUV	202.6180, 25.8243, -69.8250
Hunter-Lab	83.4918, -27.7408, -16.2179

# Details

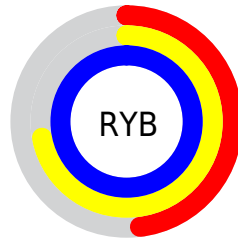
The Yxy color **69.7088, 0.2405, 0.3028** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.9739, 0.4501, 0.3519**, and the grayscale version is **59.3544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **36.3914, 0.2244, 0.2959** is the 20% darker color. If you saturate the color by 10%, you get **65.6882, 0.2304, 0.2969**, and if you desaturate by 10%, it is **74.2826, 0.2522, 0.3085**.

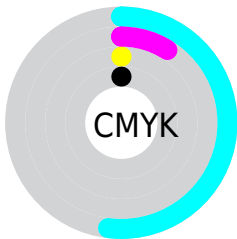
# Distribution



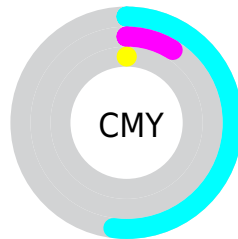
- Red (48%)
- Green (91%)
- Blue (100%)



- Red (48%)
- Yellow (72%)
- Blue (100%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7088, 0.2405, 0.3028 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 69.7088, 0.2405, 0.3028 by changing the saturation by 10% instead.




 69.7088, 0.2405,  
0.3028

 69.7088, 0.2405,  
0.3028

459.5269, 0.2732,  
0.3159

 51.2892, 0.2333,  
0.2996


 118.7934, 0.2517,  
0.3075

 36.4388, 0.2245,  
0.2956


 150.2271, 0.2560,  
0.3093

 24.7733, 0.2135,  
0.2904


 186.7677, 0.2599,  
0.3108

 15.9082, 0.1996,  
0.2834

228.7995, 0.2632,  
0.3121

 9.4592, 0.1814,  
0.2735

276.7070, 0.2661,  
0.3132

 5.0419, 0.1567,  
0.2588

330.8744, 0.2687,

 2.2719, 0.1223,

0.3142

0.2350

391.6862, 0.2711,  
0.3151

0.7588, 0.0246,  
0.2021

0.0000, 0.0000,  
0.0000

69.7088, 0.2405,  
0.3028

69.7088, 0.2405,  
0.3028

65.6882, 0.2304,  
0.2969

74.2826, 0.2522,  
0.3085

62.1735, 0.2223,  
0.2908

79.4366, 0.2654,  
0.3140

59.1222, 0.2160,  
0.2847

85.2056, 0.2796,  
0.3192

56.4802, 0.2118,  
0.2787

91.6188, 0.2946,  
0.3239

■ 54.5352, 0.2094,  
0.2738

■ 98.7037, 0.3100,  
0.3283

■ 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.



69.7088, 0.2577, 0.3407



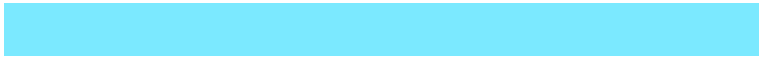
69.7088, 0.2405, 0.3028



69.7088, 0.2411, 0.2757

# Triad

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



69.7088, 0.2405, 0.3028



69.7088, 0.3327, 0.2867



69.7088, 0.3661, 0.3978

# Complementary

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



69.7088, 0.2405, 0.3028



42.9739, 0.4501, 0.3519

# 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.



69.7088, 0.3891, 0.3775



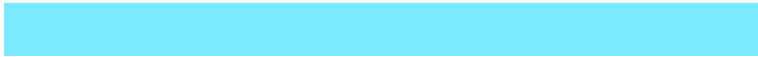
69.7088, 0.2405, 0.3028



69.7088, 0.3696, 0.3146

# Square

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



69.7088, 0.2405, 0.3028



69.7088, 0.2921, 0.2686



69.7088, 0.3908, 0.3471

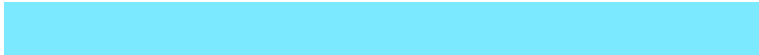


69.7088, 0.3295, 0.3991

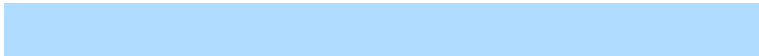


# Rectangle

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



69.7088, 0.2405, 0.3028



69.7088, 0.2514, 0.2662



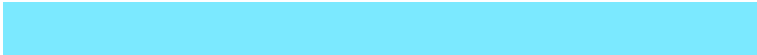
69.7088, 0.3908, 0.3471



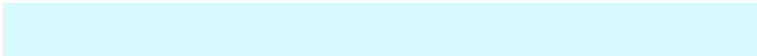
69.7088, 0.3758, 0.3928

# Sweetspot

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



69.7114, 0.2405, 0.3028



88.8003, 0.2881, 0.3219



77.7817, 0.2954, 0.4683



18.7253, 0.2850, 0.3210



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

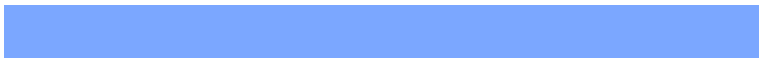
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7114, 0.2405, 0.3028



65.5878, 0.2302, 0.2967



39.0995, 0.2236, 0.2182



19.9352, 0.2980, 0.3249



28.6881, 0.2097, 0.2748



2.9241, 0.2116, 0.2816



# Inverse Universe

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



41.3327, 0.3387, 0.2221



35.4272, 0.3453, 0.2053



69.2949, 0.4104, 0.4175



18.2453, 0.3164, 0.3094



13.6240, 0.3683, 0.1803

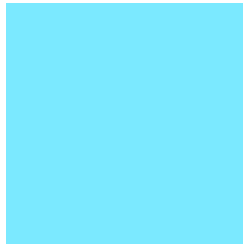


1.3397, 0.3620, 0.1768



# Previews

## White Background



This preview shows how the Yxy color 69.7088, 0.2405, 0.3028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

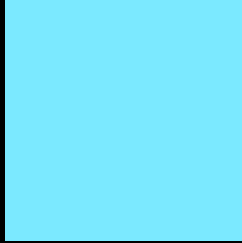
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7088, 0.2405, 0.3028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

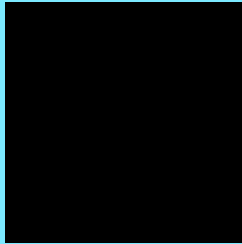
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7088, 0.2405, 0.3028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7088, 0.2405, 0.3028.

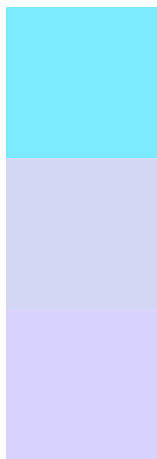


This preview shows how white text looks on a background with the Yxy color 69.7088, 0.2405, 0.3028.

# 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

69.7088, 0.2405, 0.3028

### Protanopia

69.0690, 0.2924, 0.2987

### Deuteranopia

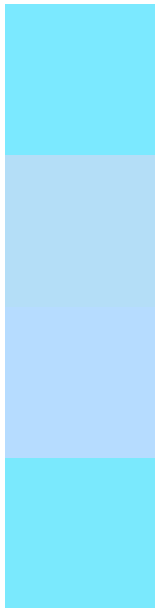
68.9059, 0.2877, 0.2835



## Tritanopia

69.4437, 0.2413, 0.3062

# Trichromacy



**Original Color**

69.7088, 0.2405, 0.3028

**Protanomaly**

68.6613, 0.2703, 0.3006

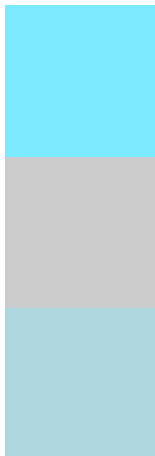
**Deuteranomaly**

68.3515, 0.2669, 0.2899

**Tritanomaly**

69.5073, 0.2409, 0.3051

# Monochromacy



**Original Color**

69.7088, 0.2405, 0.3028

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

62.3657, 0.2800, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7088, 0.2405, 0.3028 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(123, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 233, 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(123, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 233, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7088, 0.2405, 0.3028 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(123, 233, 255) }
```

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

```
.border{ border-color:rgb(123, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 233,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7088, 0.2405, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 233, 255) }
```

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

```
.background{ background-color: rgb(123,  
233, 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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