

# Converting Colors

$Yxy(72.6393, 0.2146, 0.2537)$

Have a look what the booklet for  
Yxy(72.6393, 0.2146, 0.2537)  
contains.

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# Color

**Yxy(69.0696, 0.2315, 0.3046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FEBFF
RGB	95, 235, 255
RGB Percent	37%, 92%, 100%
CMY	0.6267, 0.0785, 0.0000
CMYK	0.63, 0.08, 0.00, 0.00
HSL	188°, 100%, 69%
HSV	188°, 63%, 100%
XYZ	52.4938, 69.0696, 105.1917
YIQ	195.4200, -89.8600, -23.4600

# Conversions

## Conversions Part 2

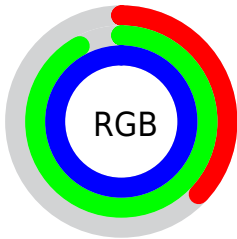
Format	Color
R <sub>Y</sub> B	95, 170, 255
Decimal	6286335
CIE Lab	86.54, -31.75, -20.92
CIE LCh	87, 38.022, 213.387
Yxy	69.0696, 0.2315, 0.3046
Android (android.graphics.Color)	4284476415 (0xFF5FEBFF)
YUV	195.4200, 29.3729, -88.0683
Hunter-Lab	83.1081, -32.6928, -16.8689

# Details

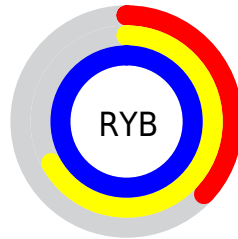
The Yxy color **69.0696, 0.2315, 0.3046** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **34.3956, 0.5009, 0.3483**, and the grayscale version is **54.7263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **66.1061, 0.2241, 0.3002**, and if you desaturate by 10%, it is **72.5150, 0.2408, 0.3090**.

# Distribution



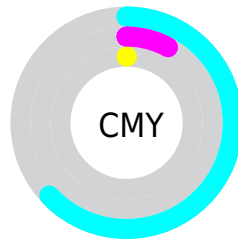
- Red (37%)
- Green (92%)
- Blue (100%)



- Red (37%)
- Yellow (67%)
- Blue (100%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (63%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0696, 0.2315, 0.3046 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 69.0696, 0.2315, 0.3046 by changing the saturation by 10% instead.




 69.0696, 0.2315,  
0.3046


 69.0696, 0.2315,  
0.3046


457.2764, 0.2681,  
0.3171


 50.7684, 0.2234,  
0.3015


 117.8810, 0.2440,  
0.3092

 36.0243, 0.2136,  
0.2975


 149.1599, 0.2489,  
0.3109

 24.4530, 0.2015,  
0.2923


 185.5336, 0.2532,  
0.3123

 15.6700, 0.1861,  
0.2852


227.3864, 0.2569,  
0.3136

 9.2909, 0.1662,  
0.2751

275.1027, 0.2602,  
0.3146

 4.9314, 0.1396,  
0.2598

329.0668, 0.2631,

 2.2071, 0.1034,

0.3156

0.2348

389.6633, 0.2658,  
0.3164

0.7239, 0.0000,  
0.1993

0.0000, 0.0000,  
0.0000

69.0696, 0.2315,  
0.3046

69.0696, 0.2315,  
0.3046

66.1061, 0.2241,  
0.3002

72.5150, 0.2408,  
0.3090

63.5759, 0.2186,  
0.2957

76.4786, 0.2519,  
0.3133

61.4247, 0.2151,  
0.2913

80.9967, 0.2646,  
0.3174

60.0301, 0.2134,  
0.2881

86.1014, 0.2784,  
0.3213

■ 91.8219, 0.2932,  
0.3249

■ 98.1858, 0.3085,  
0.3282

■ 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.



69.0696, 0.2541, 0.3500



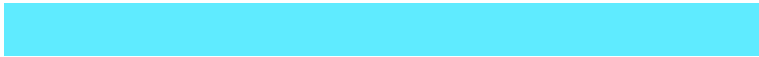
69.0696, 0.2315, 0.3046



69.0696, 0.2289, 0.2710

# Triad

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



69.0696, 0.2315, 0.3046



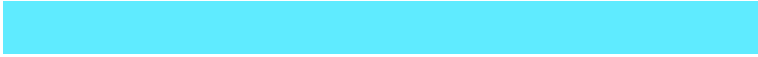
69.0696, 0.3278, 0.2761



69.0696, 0.3800, 0.4059

# Complementary

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



69.0696, 0.2315, 0.3046



34.3956, 0.5009, 0.3483

# 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.



69.0696, 0.4035, 0.3790



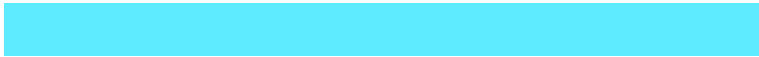
69.0696, 0.2315, 0.3046



69.0696, 0.3728, 0.3063

# Square

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



69.0696, 0.2315, 0.3046



69.0696, 0.2815, 0.2578



69.0696, 0.4013, 0.3429

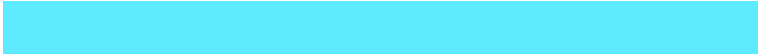


69.0696, 0.3391, 0.4127

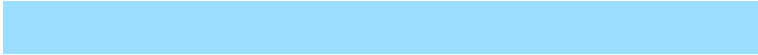


# Rectangle

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



69.0696, 0.2315, 0.3046



69.0696, 0.2384, 0.2585



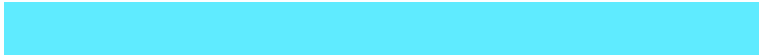
69.0696, 0.4013, 0.3429



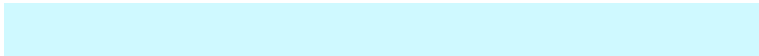
69.0696, 0.3903, 0.3987

# Sweetspot

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



69.0706, 0.2315, 0.3046



88.1302, 0.2837, 0.3226



75.1735, 0.2965, 0.5121



18.5239, 0.2796, 0.3216



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.



69.0706, 0.2315, 0.3046



65.4808, 0.2227, 0.2991



33.5890, 0.2073, 0.2004



20.0703, 0.2980, 0.3259



31.5196, 0.2136, 0.2889



3.1731, 0.2150, 0.2939



# Inverse Universe

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



35.4743, 0.3389, 0.1992



30.6709, 0.3449, 0.1840



60.5556, 0.4393, 0.4254



18.2589, 0.3157, 0.3085



13.9099, 0.3554, 0.1731

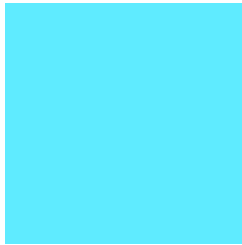


1.3649, 0.3509, 0.1706



# Previews

## White Background



This preview shows how the Yxy color 69.0696, 0.2315, 0.3046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

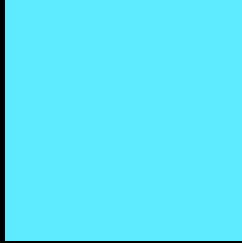
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0696, 0.2315, 0.3046 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 69.0696, 0.2315, 0.3046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0696, 0.2315, 0.3046.

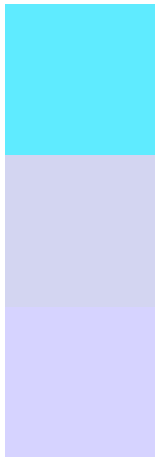


This preview shows how white text looks on a background with the Yxy color 69.0696, 0.2315, 0.3046.

# 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

69.0696, 0.2315, 0.3046

### Protanopia

67.7883, 0.2930, 0.2985

### Deuteranopia

68.1047, 0.2863, 0.2822



## Tritanopia

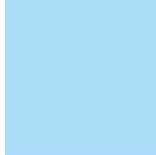
69.0053, 0.2319, 0.3058

# Trichromacy



## Original Color

69.0696, 0.2315, 0.3046



## Protanomaly

66.8017, 0.2643, 0.3000



## Deuteranomaly

67.0643, 0.2607, 0.2892



## Tritanomaly

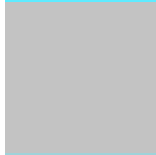
69.0053, 0.2319, 0.3058

# Monochromacy



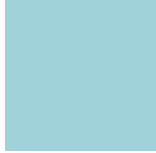
## Original Color

69.0696, 0.2315, 0.3046



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.4739, 0.2730, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0696, 0.2315, 0.3046 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(95, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0696, 0.2315, 0.3046 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(95, 235, 255) }
```

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

```
.border{ border-color:rgb(95, 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(95, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0696, 0.2315, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 235, 255) }
```

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

```
.background{ background-color: rgb(95, 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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