

# Converting Colors

$Yxy(71.2314, 0.2361, 0.3182)$

Have a look what the booklet for  
Yxy(71.2314, 0.2361, 0.3182)  
contains.

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# Color

**Yxy(71.0517, 0.2359, 0.3179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61EFF8
RGB	97, 239, 248
RGB Percent	38%, 94%, 97%
CMY	0.6202, 0.0627, 0.0275
CMYK	0.61, 0.04, 0.00, 0.03
HSL	184°, 92%, 68%
HSV	184°, 61%, 97%
XYZ	52.7244, 71.0517, 99.7272
YIQ	197.5680, -87.5210, -27.3050

# Conversions

## Conversions Part 2

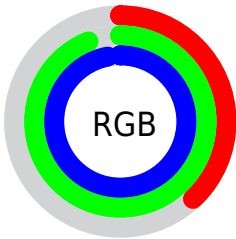
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 170, 248
Decimal	6418424
CIE Lab	87.51, -35.34, -15.76
CIE LCh	88, 38.692, 204.042
Yxy	71.0517, 0.2359, 0.3179
Android (android.graphics.Color)	4284608504 (0xFF61EFF8)
YUV	197.5680, 24.8630, -88.1981
Hunter-Lab	84.2922, -35.8602, -11.1423

# Details

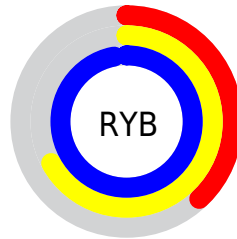
The Yxy color **71.0517, 0.2359, 0.3179** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.0821, 0.5003, 0.3381**, and the grayscale version is **56.0593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **37.6727, 0.2206, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **69.0434, 0.2290, 0.3159**, and if you desaturate by 10%, it is **73.4978, 0.2447, 0.3199**.

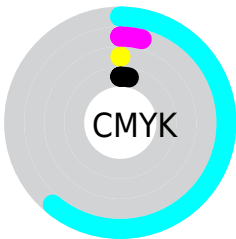
# Distribution



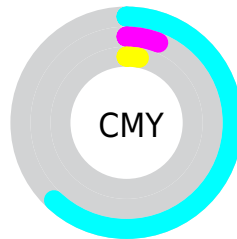
- Red (38%)
- Green (94%)
- Blue (97%)



- Red (38%)
- Yellow (67%)
- Blue (97%)



- Cyan (61%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)




- Cyan (62%)
- Magenta (6%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0517, 0.2359, 0.3179 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 71.0517, 0.2359, 0.3179 by changing the saturation by 10% instead.




 71.0517, 0.2359,  
0.3179

 71.0517, 0.2359,  
0.3179


464.2341, 0.2705,  
0.3241


 52.3844, 0.2282,  
0.3162


 120.7073, 0.2477,  
0.3203

 37.3116, 0.2189,  
0.3141


 152.4645, 0.2524,  
0.3211

 25.4488, 0.2074,  
0.3111


 189.3536, 0.2564,  
0.3218

 16.4117, 0.1927,  
0.3069

231.7592, 0.2599,  
0.3224

 9.8160, 0.1736,  
0.3008

280.0657, 0.2631,  
0.3230

 5.2771, 0.1478,  
0.2909

334.6574, 0.2658,

 2.4108, 0.1121,

0.3234

0.2736

395.9188, 0.2683,  
0.3238

0.8314, 0.0000,  
0.2550

0.0000, 0.0000,  
0.0000

71.0517, 0.2359,  
0.3179

71.0517, 0.2359,  
0.3179

69.0434, 0.2290,  
0.3159

73.4978, 0.2447,  
0.3199

67.4234, 0.2241,  
0.3138


76.4094, 0.2554,  
0.3219


66.1452, 0.2210,  
0.3118


79.8215, 0.2676,  
0.3238

65.2116, 0.2195,  
0.3101

83.7633, 0.2812,  
0.3256

 88.2617, 0.2958,  
0.3273

 93.3420, 0.3112,  
0.3289

 95.9820, 0.3171,  
0.3303

 96.8961, 0.3170,  
0.3317

 97.8174, 0.3169,  
0.3331

# Harmonies

## Analogous

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



71.0517, 0.2644, 0.3647



71.0517, 0.2359, 0.3179



71.0517, 0.2269, 0.2792

# Triad

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



71.0517, 0.2359, 0.3179



71.0517, 0.3128, 0.2685



71.0517, 0.3903, 0.3997

# Complementary

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



71.0517, 0.2359, 0.3179



31.0821, 0.5003, 0.3381

# 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.



71.0517, 0.4066, 0.3685



71.0517, 0.2359, 0.3179



71.0517, 0.3602, 0.2957

# Square

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



71.0517, 0.2359, 0.3179



71.0517, 0.2686, 0.2547



71.0517, 0.3956, 0.3312



71.0517, 0.3533, 0.4141

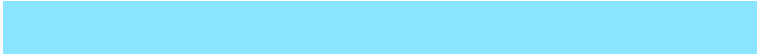


# Rectangle

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



71.0517, 0.2359, 0.3179



71.0517, 0.2323, 0.2628



71.0517, 0.3956, 0.3312



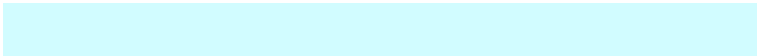
71.0517, 0.3985, 0.3906

# Sweetspot

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



71.0544, 0.2359, 0.3179



90.5856, 0.2854, 0.3261



70.6649, 0.3007, 0.5183



19.1034, 0.2812, 0.3256



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.



71.0544, 0.2359, 0.3179



73.1581, 0.2278, 0.3154



36.1682, 0.2134, 0.2187



19.4218, 0.2980, 0.3275



35.3075, 0.2196, 0.3104



3.3221, 0.2202, 0.3127



# Inverse Universe

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



34.7075, 0.3279, 0.1944



32.0271, 0.3310, 0.1776



53.4445, 0.4425, 0.4137



17.5058, 0.3147, 0.3070



13.9752, 0.3364, 0.1627

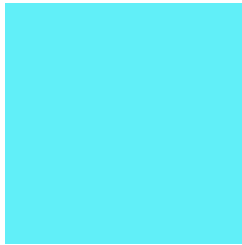


1.2996, 0.3344, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 71.0517, 0.2359, 0.3179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

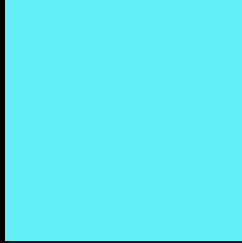
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0517, 0.2359, 0.3179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

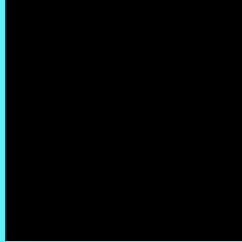
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.0517, 0.2359, 0.3179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0517, 0.2359, 0.3179.

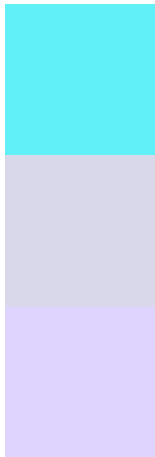


This preview shows how white text looks on a background with the Yxy color 71.0517, 0.2359, 0.3179.

# 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

71.0517, 0.2359, 0.3179

### Protanopia

69.8040, 0.3016, 0.3095

### Deuteranopia

69.7723, 0.2923, 0.2850



## Tritanopia

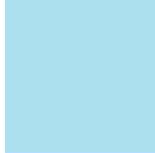
71.1679, 0.2371, 0.3074

# Trichromacy



## Original Color

71.0517, 0.2359, 0.3179



## Protanomaly

68.4275, 0.2708, 0.3116



## Deuteranomaly

68.5009, 0.2653, 0.2950



## Tritanomaly

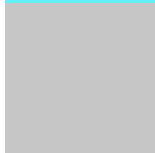
71.2415, 0.2369, 0.3120

# Monochromacy



## Original Color

71.0517, 0.2359, 0.3179



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

60.1234, 0.2752, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.0517, 0.2359, 0.3179 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(97, 239, 248)` looks like.

```
.text, #text, p{  
    color:rgb(97, 239, 248)  
}
```

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(97, 239, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 239, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0517, 0.2359, 0.3179 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(97, 239, 248) }
```

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

```
.border{ border-color:rgb(97, 239, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 239, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 239, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 239, 248);  
box-shadow:4px 4px 4px 4px rgb(97, 239,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0517, 0.2359, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 239, 248) }
```

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

```
.background{ background-color: rgb(97, 239,  
248) }
```

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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