

# Converting Colors

$Yxy(78.6049, 0.2082, 0.2368)$

Have a look what the booklet for  
Yxy(78.6049, 0.2082, 0.2368)  
contains.

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# Color

**Yxy(72.5103, 0.2329, 0.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EF1FF
RGB	94, 241, 255
RGB Percent	37%, 95%, 100%
CMY	0.6312, 0.0549, 0.0000
CMYK	0.63, 0.05, 0.00, 0.00
HSL	185°, 100%, 68%
HSV	185°, 63%, 100%
XYZ	54.1271, 72.5103, 105.7674
YIQ	198.6430, -92.1060, -26.8100

# Conversions

## Conversions Part 2

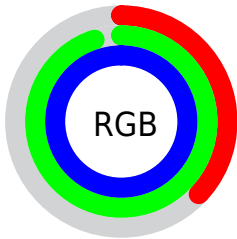
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 171, 255
Decimal	6222335
CIELab	88.21, -34.76, -18.40
CIElCh	88, 39.324, 207.891
Yxy	72.5103, 0.2329, 0.3120
Android (android.graphics.Color)	4284412415 (0xFF5EF1FF)
YUV	198.6430, 27.7840, -91.7719
Hunter-Lab	85.1530, -35.5551, -14.0363

# Details

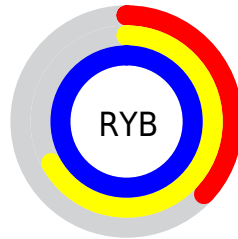
The Yxy color **72.5103, 0.2329, 0.3120** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **32.8052, 0.5076, 0.3424**, and the grayscale version is **56.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **38.3582, 0.2185, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **70.0727, 0.2261, 0.3090**, and if you desaturate by 10%, it is **75.4117, 0.2417, 0.3150**.

# Distribution



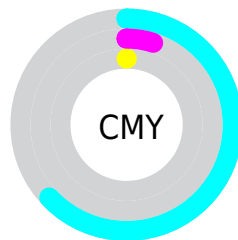
- Red (37%)
- Green (95%)
- Blue (100%)



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



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (63%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5103, 0.2329, 0.3120 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 72.5103, 0.2329, 0.3120 by changing the saturation by 10% instead.





 72.5103, 0.2329,  
0.3120

 72.5103, 0.2329,  
0.3120


469.3158, 0.2687,  
0.3210


 53.5756, 0.2251,  
0.3097


 122.7818, 0.2450,  
0.3153

 38.2625, 0.2156,  
0.3067


 154.8874, 0.2498,  
0.3166

 26.1865, 0.2038,  
0.3028

 192.1521, 0.2540,  
0.3176

 16.9632, 0.1890,  
0.2974

234.9602, 0.2577,  
0.3185

 10.2083, 0.1698,  
0.2896

283.6963, 0.2609,  
0.3192

 5.5373, 0.1442,  
0.2776


338.7447, 0.2638,

 2.5658, 0.1093,


0.3199


0.2576

400.4897, 0.2663,  
0.3205


 0.9095, 0.0041,  
0.2340


 0.0000, 0.0000,  
0.0000


 72.5103, 0.2329,  
0.3120


 72.5103, 0.2329,  
0.3120

 70.0727, 0.2261,  
0.3090


 75.4117, 0.2417,  
0.3150


 68.0491, 0.2212,  
0.3060

 78.8125, 0.2522,  
0.3180

 66.3852, 0.2182,  
0.3030

 82.7492, 0.2644,  
0.3208

 65.3935, 0.2169,  
0.3010

 87.2539, 0.2780,  
0.3235

■ 92.3560, 0.2925,  
0.3260

■ 98.0828, 0.3078,  
0.3283

■ 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.



72.5103, 0.2593, 0.3591



72.5103, 0.2329, 0.3120



72.5103, 0.2265, 0.2749

# Triad

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



72.5103, 0.2329, 0.3120



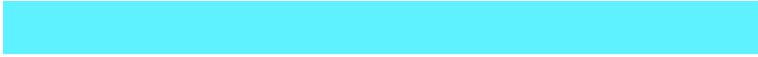
72.5103, 0.3190, 0.2708



72.5103, 0.3871, 0.4034

# Complementary

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



72.5103, 0.2329, 0.3120



32.8052, 0.5076, 0.3424

# 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.



72.5103, 0.4068, 0.3734



72.5103, 0.2329, 0.3120



72.5103, 0.3662, 0.2996

# Square

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



72.5103, 0.2329, 0.3120



72.5103, 0.2733, 0.2549



72.5103, 0.3994, 0.3360



72.5103, 0.3479, 0.4150

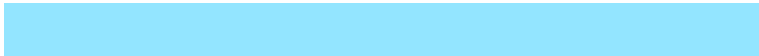


# Rectangle

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



72.5103, 0.2329, 0.3120



72.5103, 0.2337, 0.2599



72.5103, 0.3994, 0.3360



72.5103, 0.3964, 0.3949

# Sweetspot

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



72.5116, 0.2329, 0.3120



89.2808, 0.2839, 0.3245



74.9736, 0.2985, 0.5197



18.8061, 0.2797, 0.3238



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.



72.5116, 0.2329, 0.3120



69.4491, 0.2245, 0.3081



35.1315, 0.2083, 0.2065



20.1951, 0.2980, 0.3269



34.2816, 0.2171, 0.3015



3.4140, 0.2180, 0.3048



# Inverse Universe

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



35.6251, 0.3329, 0.1940



30.8002, 0.3373, 0.1780



58.0088, 0.4443, 0.4209



18.2715, 0.3151, 0.3076



14.1887, 0.3441, 0.1669

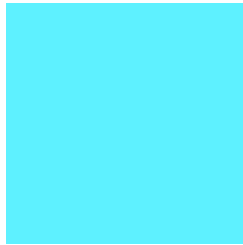


1.3892, 0.3412, 0.1653



# Previews

## White Background



This preview shows how the Yxy color 72.5103, 0.2329, 0.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

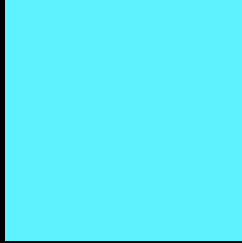
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5103, 0.2329, 0.3120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

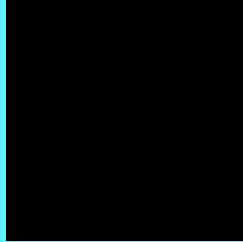
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

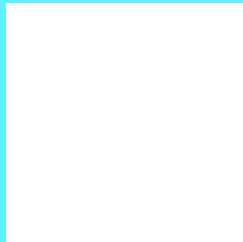
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.5103, 0.2329, 0.3120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5103, 0.2329, 0.3120.

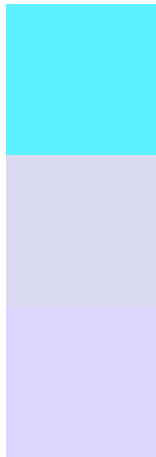


This preview shows how white text looks on a background with the Yxy color 72.5103, 0.2329, 0.3120.

# 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

72.5103, 0.2329, 0.3120

### Protanopia

71.1858, 0.2978, 0.3054

### Deuteranopia

71.1930, 0.2911, 0.2872



## Tritanopia

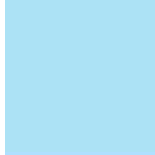
72.4340, 0.2409, 0.3088

# Trichromacy



## Original Color

72.5103, 0.2329, 0.3120



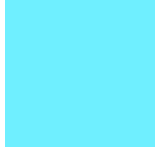
## Protanomaly

69.7559, 0.2672, 0.3072



## Deuteranomaly

69.6453, 0.2635, 0.2941



## Tritanomaly

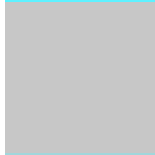
72.3325, 0.2376, 0.3098

# Monochromacy



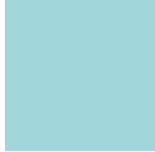
## Original Color

72.5103, 0.2329, 0.3120



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.7847, 0.2736, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5103, 0.2329, 0.3120 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(94, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 241, 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(94, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5103, 0.2329, 0.3120 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(94, 241, 255) }
```

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

```
.border{ border-color:rgb(94, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5103, 0.2329, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 241, 255) }
```

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

```
.background{ background-color: rgb(94, 241,  
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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