

# Converting Colors

$Yxy(79.8173, 0.2072, 0.2344)$

Have a look what the booklet for  
Yxy(79.8173, 0.2072, 0.2344)  
contains.

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# Color

**Yxy(73.7009, 0.2335, 0.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EF3FF
RGB	94, 243, 255
RGB Percent	37%, 95%, 100%
CMY	0.6310, 0.0471, 0.0001
CMYK	0.63, 0.05, 0.00, 0.00
HSL	184°, 100%, 68%
HSV	184°, 63%, 100%
XYZ	54.7191, 73.7009, 105.9231
YIQ	199.8170, -92.6560, -27.8560

# Conversions

## Conversions Part 2

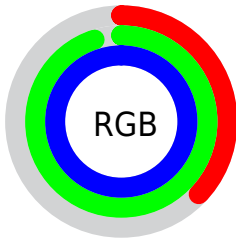
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	94, 171, 255
Decimal	6222847
CIE <sub>Lab</sub>	88.78, -35.70, -17.51
CIE <sub>LCh</sub>	89, 39.761, 206.135
Yxy	73.7009, 0.2335, 0.3145
Android (android.graphics.Color)	4284412927 (0xFF5EF3FF)
YUV	199.8170, 27.2052, -92.8015
Hunter-Lab	85.8492, -36.4627, -13.0591

# Details

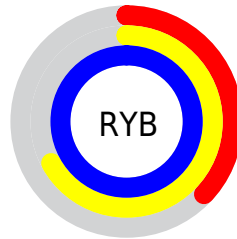
The Yxy color **73.7009, 0.2335, 0.3145** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **32.3855, 0.5090, 0.3405**, and the grayscale version is **57.5281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **71.4398, 0.2269, 0.3119**, and if you desaturate by 10%, it is **76.4243, 0.2421, 0.3171**.

# Distribution



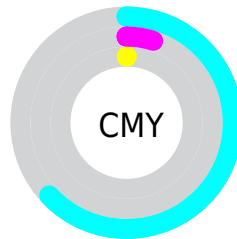
- Red (37%)
- Green (95%)
- Blue (100%)



- 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 73.7009, 0.2335, 0.3145 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 73.7009, 0.2335, 0.3145 by changing the saturation by 10% instead.





 73.7009, 0.2335,  
0.3145

 73.7009, 0.2335,  
0.3145


473.4404, 0.2689,  
0.3223


 54.5493, 0.2258,  
0.3125


 124.4717, 0.2455,  
0.3174

 39.0410, 0.2164,  
0.3099


 156.8597, 0.2503,  
0.3185

 26.7916, 0.2048,  
0.3064


 194.4286, 0.2544,  
0.3194

 17.4168, 0.1902,  
0.3016

237.5628, 0.2580,  
0.3202

 10.5321, 0.1712,  
0.2945

286.6467, 0.2612,  
0.3208

 5.7531, 0.1460,  
0.2837

342.0646, 0.2641,

 2.6956, 0.1115,

0.3214

0.2653

404.2011, 0.2666,  
0.3219

0.9749, 0.0131,  
0.2436

0.0000, 0.0000,  
0.0000

73.7009, 0.2335,  
0.3145

73.7009, 0.2335,  
0.3145

71.4398, 0.2269,  
0.3119

76.4243, 0.2421,  
0.3171

69.5870, 0.2222,  
0.3094

79.6414, 0.2525,  
0.3196

68.0897, 0.2193,  
0.3068

83.3901, 0.2646,  
0.3220

67.2080, 0.2181,  
0.3051

87.7023, 0.2781,  
0.3243

■ 92.6075, 0.2926,  
0.3264

■ 98.1329, 0.3079,  
0.3284

■ 99.9981, 0.3127,  
0.3290

# Harmonies

## Analogous

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



73.7009, 0.2611, 0.3620



73.7009, 0.2335, 0.3145



73.7009, 0.2259, 0.2763

# Triad

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



73.7009, 0.2335, 0.3145



73.7009, 0.3161, 0.2692



73.7009, 0.3893, 0.4024

# Complementary

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



73.7009, 0.2335, 0.3145



32.3855, 0.5090, 0.3405

# 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.



73.7009, 0.4077, 0.3715



73.7009, 0.2335, 0.3145



73.7009, 0.3640, 0.2975

# Square

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



73.7009, 0.2335, 0.3145



73.7009, 0.2707, 0.2541



73.7009, 0.3986, 0.3338



73.7009, 0.3507, 0.4155

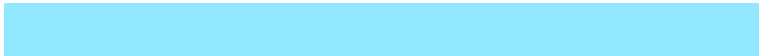


# Rectangle

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



73.7009, 0.2335, 0.3145



73.7009, 0.2323, 0.2605



73.7009, 0.3986, 0.3338



73.7009, 0.3982, 0.3935

# Sweetspot

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



73.7037, 0.2335, 0.3145



89.6620, 0.2839, 0.3252



74.9019, 0.2994, 0.5226



18.8997, 0.2798, 0.3246



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.



73.7037, 0.2335, 0.3145



70.8804, 0.2253, 0.3112



36.0845, 0.2092, 0.2102



20.2364, 0.2980, 0.3272



35.2245, 0.2182, 0.3055



3.4959, 0.2190, 0.3084



# Inverse Universe

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



35.7474, 0.3309, 0.1926



30.9446, 0.3348, 0.1764



56.8698, 0.4463, 0.4184



18.2757, 0.3150, 0.3073



14.2839, 0.3406, 0.1650

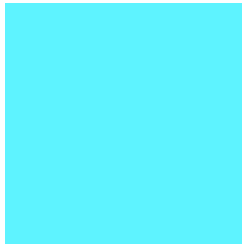


1.3975, 0.3381, 0.1636



# Previews

## White Background



This preview shows how the Yxy color 73.7009, 0.2335, 0.3145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

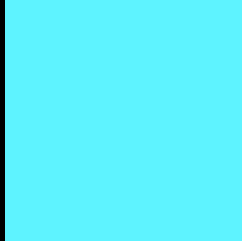
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.7009, 0.2335, 0.3145 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 73.7009, 0.2335, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.7009, 0.2335, 0.3145.

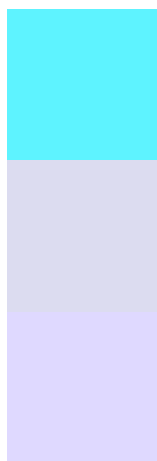


This preview shows how white text looks on a background with the Yxy color 73.7009, 0.2335, 0.3145.

# 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

73.7009, 0.2335, 0.3145

### Protanopia

72.6933, 0.2998, 0.3077

### Deuteranopia

72.5337, 0.2925, 0.2895



## Tritanopia

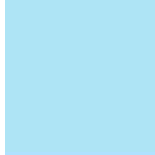
73.1149, 0.2444, 0.3090

# Trichromacy



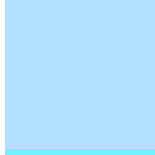
## Original Color

73.7009, 0.2335, 0.3145



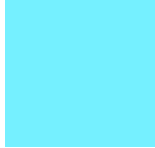
## Protanomaly

71.0780, 0.2686, 0.3096



## Deuteranomaly

70.8428, 0.2643, 0.2965



## Tritanomaly

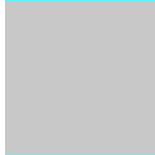
73.3221, 0.2400, 0.3112

# Monochromacy



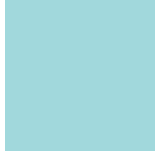
## Original Color

73.7009, 0.2335, 0.3145



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.8561, 0.2733, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.7009, 0.2335, 0.3145 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, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 243, 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, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7009, 0.2335, 0.3145 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, 243, 255) }
```

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

```
.border{ border-color:rgb(94, 243, 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, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7009, 0.2335, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 243, 255) }
```

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

```
.background{ background-color: rgb(94, 243,  
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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