

# Converting Colors

$Y_{xy}(79.3052, 0.2386, 0.3258)$

Have a look what the booklet for  
Yxy(79.3052, 0.2386, 0.3258)  
contains.

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# Color

**Yxy(79.0337, 0.2386, 0.3253)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	67FBFE
RGB	103, 251, 254
RGB Percent	40%, 98%, 100%
CMY	0.5965, 0.0156, 0.0040
CMYK	0.59, 0.01, 0.00, 0.00
HSL	181°, 99%, 70%
HSV	181°, 59%, 100%
XYZ	57.9694, 79.0337, 105.9533
YIQ	207.0900, -89.1710, -30.4430

# Conversions

## Conversions Part 2

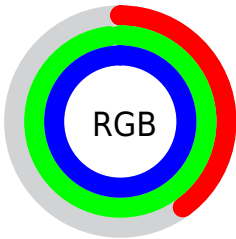
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 178, 254</a>
Decimal	<a href="#">6814718</a>
CIELab	<a href="#">91.25, -38.26, -13.28</a>
CIElCh	<a href="#">91, 40.497, 199.138</a>
Yxy	<a href="#">79.0337, 0.2386, 0.3253</a>
Android (android.graphics.Color)	<a href="#">4285004798</a> ( <a href="#">0xFF67FBFE</a> )
YUV	<a href="#">207.0900, 23.1266, -91.2869</a>
Hunter-Lab	<a href="#">88.9009, -39.1825, -8.4320</a>

# Details

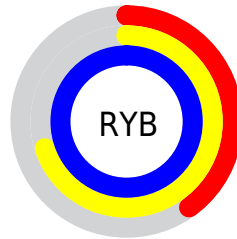
The Yxy color **79.0337, 0.2386, 0.3253** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.3282, 0.4981, 0.3323**, and the grayscale version is **62.3343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **42.6148, 0.2234, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **77.4459, 0.2319, 0.3246**, and if you desaturate by 10%, it is **81.0841, 0.2472, 0.3260**.

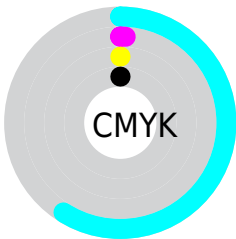
# Distribution



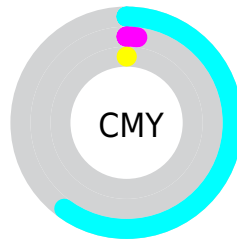
- Red (40%)
- Green (98%)
- Blue (100%)



- Red (40%)
- Yellow (70%)
- Blue (100%)



- Cyan (59%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0337, 0.2386, 0.3253 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 79.0337, 0.2386, 0.3253 by changing the saturation by 10% instead.





 79.0337, 0.2386,  
0.3253


 79.0337, 0.2386,  
0.3253

491.6703, 0.2715,  
0.3280

 58.9235, 0.2314,  
0.3245

 132.0063, 0.2497,  
0.3264

 42.5516, 0.2228,  
0.3234


 165.6375, 0.2541,  
0.3268

 29.5334, 0.2121,  
0.3219


 204.5445, 0.2580,  
0.3271

 19.4847, 0.1987,  
0.3196

249.1117, 0.2613,  
0.3273

 12.0210, 0.1813,  
0.3161

299.7235, 0.2643,  
0.3275

 6.7580, 0.1580,  
0.3104


356.7643, 0.2670,


 3.3112, 0.1260,


0.3277


0.3000

420.6184, 0.2693,  
0.3278


 1.2963, 0.0552,  
0.2865


 0.1383, 0.0000,  
0.1132


 79.0337, 0.2386,  
0.3253


 79.0337, 0.2386,  
0.3253


 77.4459, 0.2319,  
0.3246


 81.0841, 0.2472,  
0.3260


 76.2690, 0.2272,  
0.3240


 83.6255, 0.2577,  
0.3266


 75.4551, 0.2244,  
0.3233

 86.6946, 0.2698,  
0.3273

 74.9252, 0.2230,  
0.3227

 90.3220, 0.2834,  
0.3279

 74.9008, 0.2230,  
0.3226

 94.5360, 0.2980,  
0.3285

99.3066, 0.3133,  
0.3290

99.6241, 0.3133,  
0.3295

99.9349, 0.3133,  
0.3300

# Harmonies

## Analogous

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



79.0337, 0.2702, 0.3724



79.0337, 0.2386, 0.3253



79.0337, 0.2262, 0.2840

# Triad

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



79.0337, 0.2386, 0.3253



79.0337, 0.3049, 0.2646



79.0337, 0.3954, 0.3961

# Complementary

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



79.0337, 0.2386, 0.3253



32.3282, 0.4981, 0.3323

# 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.



79.0337, 0.4076, 0.3629



79.0337, 0.2386, 0.3253



79.0337, 0.3532, 0.2901

# Square

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



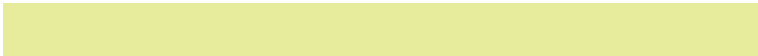
79.0337, 0.2386, 0.3253



79.0337, 0.2620, 0.2532



79.0337, 0.3921, 0.3250



79.0337, 0.3608, 0.4142



# Rectangle

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



79.0337, 0.2386, 0.3253



79.0337, 0.2294, 0.2654



79.0337, 0.3921, 0.3250



79.0337, 0.4024, 0.3861

# Sweetspot

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



79.0367, 0.2386, 0.3253



91.7352, 0.2855, 0.3280



74.7819, 0.3027, 0.5194



19.3888, 0.2814, 0.3278



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.



79.0367, 0.2386, 0.3253



77.9427, 0.2311, 0.3245



41.0551, 0.2170, 0.2285



20.4165, 0.2980, 0.3285



39.5208, 0.2230, 0.3228



3.8668, 0.2232, 0.3235



# Inverse Universe

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



37.7158, 0.3219, 0.1924



33.1436, 0.3234, 0.1753



55.0787, 0.4425, 0.4074



18.2939, 0.3141, 0.3060



14.7176, 0.3259, 0.1569

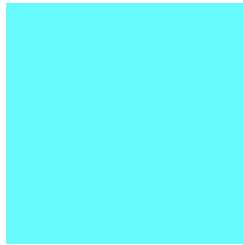


1.4349, 0.3253, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 79.0337, 0.2386, 0.3253 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

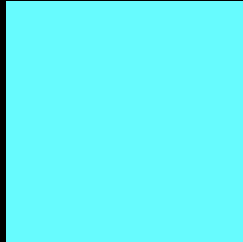
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0337, 0.2386, 0.3253 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

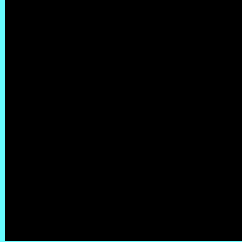
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0337, 0.2386, 0.3253**

## Background



This preview shows how black text looks on a background with the Yxy color 79.0337, 0.2386, 0.3253.

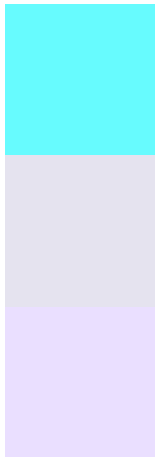


This preview shows how white text looks on a background with the Yxy color 79.0337, 0.2386, 0.3253.

# 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

79.0337, 0.2386, 0.3253

### Protanopia

77.8282, 0.3065, 0.3165

### Deuteranopia

77.4878, 0.2999, 0.2966



## Tritanopia

78.7236, 0.2609, 0.3144

# Trichromacy



## Original Color

79.0337, 0.2386, 0.3253



## Protanomaly

76.5898, 0.2751, 0.3200



## Deuteranomaly

75.9369, 0.2707, 0.3049



## Tritanomaly

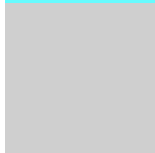
78.2756, 0.2509, 0.3174

# Monochromacy



## Original Color

79.0337, 0.2386, 0.3253



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.5922, 0.2766, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0337, 0.2386, 0.3253 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(103, 251, 254)` looks like.

```
.text, #text, p{  
    color:rgb(103, 251, 254)  
}
```

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(103, 251, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 251, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0337, 0.2386, 0.3253 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(103, 251, 254) }
```

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

```
.border{ border-color:rgb(103, 251, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 251, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 251, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 251, 254);  
box-shadow:4px 4px 4px 4px rgb(103, 251,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0337, 0.2386, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 251, 254) }
```

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

```
.background{ background-color: rgb(103,  
251, 254) }
```

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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