

# Converting Colors

$Yxy(79.3682, 0.2391, 0.3353)$

Have a look what the booklet for  
Yxy(79.3682, 0.2391, 0.3353)  
contains.

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# Color

**Yxy(79.4076, 0.2389, 0.3347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFD8
RGB	94, 253, 248
RGB Percent	37%, 99%, 97%
CMY	0.6318, 0.0078, 0.0274
CMYK	0.63, 0.00, 0.02, 0.01
HSL	178°, 98%, 68%
HSV	178°, 63%, 99%
XYZ	56.6790, 79.4076, 101.1634
YIQ	204.8890, -93.1590, -35.2630

# Conversions

## Conversions Part 2

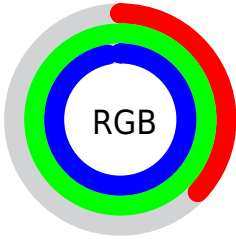
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 175, 253
Decimal	6225400
CIELab	91.42, -42.16, -9.95
CIELCh	91, 43.315, 193.284
Yxy	79.4076, 0.2389, 0.3347
Android (android.graphics.Color)	4284415480 (0xFF5EFD8)
YUV	204.8890, 21.2537, -97.2497
Hunter-Lab	89.1109, -42.4092, -4.9315

# Details

The Yxy color **79.4076, 0.2389, 0.3347** 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 **29.7713, 0.5105, 0.3251**, and the grayscale version is **60.8686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **43.2856, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **78.2376, 0.2334, 0.3357**, and if you desaturate by 10%, it is **81.0218, 0.2464, 0.3337**.

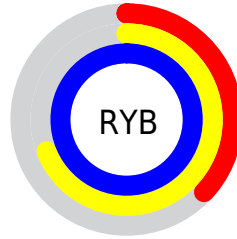
# Distribution



Red (37%)

Green (99%)

Blue (97%)



Red (37%)

Yellow (69%)

Blue (99%)

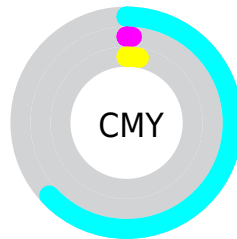


Cyan (63%)

Magenta (0%)

Yellow (2%)

Black (1%)



Cyan (63%)

Magenta (1%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.4076, 0.2389, 0.3347 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 79.4076, 0.2389, 0.3347 by changing the saturation by 10% instead.




 79.4076, 0.2389,  
0.3347


 79.4076, 0.2389,  
0.3347


492.9342, 0.2717,  
0.3330

 59.2310, 0.2317,  
0.3349


 132.5325, 0.2500,  
0.3343

 42.7991, 0.2231,  
0.3350


 166.2496, 0.2544,  
0.3341

 29.7275, 0.2124,  
0.3350


 205.2490, 0.2583,  
0.3338

 19.6319, 0.1988,  
0.3348

249.9151, 0.2616,  
0.3336

 12.1277, 0.1813,  
0.3340

300.6323, 0.2646,  
0.3335

 6.8307, 0.1578,  
0.3320


357.7849, 0.2672,


 3.3565, 0.1253,


0.3333


0.3271


421.7574, 0.2696,  
0.3331


 1.3205, 0.0426,  
0.3266


 0.1570, 0.0000,  
0.1534


 79.4076, 0.2389,  
0.3347


 79.4076, 0.2389,  
0.3347


 78.2376, 0.2334,  
0.3357


 81.0218, 0.2464,  
0.3337


 77.4582, 0.2297,  
0.3368

 83.1098, 0.2558,  
0.3327

 77.0179, 0.2279,  
0.3378


 85.7091, 0.2670,  
0.3317


 76.8548, 0.2274,  
0.3385

 88.8510, 0.2796,  
0.3308

 92.5642, 0.2935,  
0.3300

 96.8754, 0.3083,  
0.3292

 98.6461, 0.3136,  
0.3285

 98.6969, 0.3132,  
0.3277

 98.7375, 0.3128,  
0.3271

# Harmonies

## Analogous

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



79.4076, 0.2758, 0.3845



79.4076, 0.2389, 0.3347



79.4076, 0.2217, 0.2882

# Triad

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



79.4076, 0.2389, 0.3347



79.4076, 0.2944, 0.2570



79.4076, 0.4055, 0.3940

# Complementary

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



79.4076, 0.2389, 0.3347



29.7713, 0.5105, 0.3251

# 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.



79.4076, 0.4132, 0.3568



79.4076, 0.2389, 0.3347



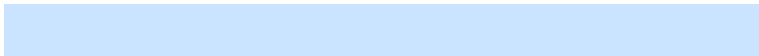
79.4076, 0.3460, 0.2814

# Square

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



79.4076, 0.2389, 0.3347



79.4076, 0.2515, 0.2483



79.4076, 0.3910, 0.3168



79.4076, 0.3722, 0.4180



# Rectangle

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



79.4076, 0.2389, 0.3347



79.4076, 0.2223, 0.2660



79.4076, 0.3910, 0.3168



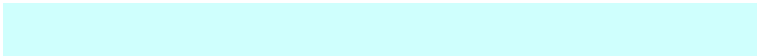
79.4076, 0.4114, 0.3825

# Sweetspot

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



79.4106, 0.2389, 0.3347



91.8432, 0.2849, 0.3305



73.7281, 0.3053, 0.5319



19.4360, 0.2810, 0.3307



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.



79.4106, 0.2389, 0.3347



79.4414, 0.2324, 0.3360



41.6110, 0.2146, 0.2325



20.4711, 0.2984, 0.3297



40.8842, 0.2273, 0.3383



3.9837, 0.2270, 0.3372



# Inverse Universe

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



29.7713, 0.5105, 0.3251



25.3377, 0.5675, 0.3256



49.7526, 0.4580, 0.4029



17.9963, 0.3290, 0.3283



11.1219, 0.6369, 0.3282

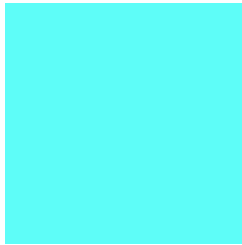


1.0860, 0.6294, 0.3241



# Previews

## White Background



This preview shows how the Yxy color 79.4076, 0.2389, 0.3347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

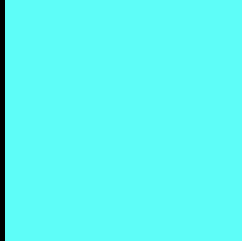
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.4076, 0.2389, 0.3347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

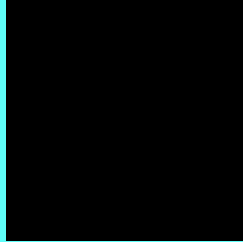
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

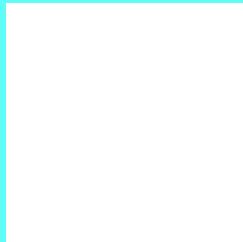
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.4076, 0.2389, 0.3347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.4076, 0.2389, 0.3347.

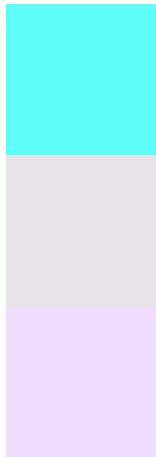


This preview shows how white text looks on a background with the Yxy color 79.4076, 0.2389, 0.3347.

# 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

79.4076, 0.2389, 0.3347

### Protanopia

77.8103, 0.3116, 0.3227

### Deuteranopia

77.8133, 0.3033, 0.2959



## Tritanopia

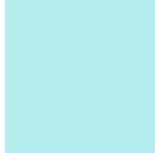
78.8313, 0.2613, 0.3144

# Trichromacy



## Original Color

79.4076, 0.2389, 0.3347



## Protanomaly

75.9877, 0.2772, 0.3266



## Deuteranomaly

75.7452, 0.2723, 0.3080



## Tritanomaly

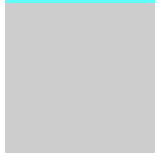
78.5153, 0.2515, 0.3219

# Monochromacy



## Original Color

79.4076, 0.2389, 0.3347



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.4623, 0.2758, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.4076, 0.2389, 0.3347 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, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(94, 253, 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(94, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 253, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 79.4076, 0.2389, 0.3347 is called "border". The border property can be set on classes, ids or directly on the HTML element.

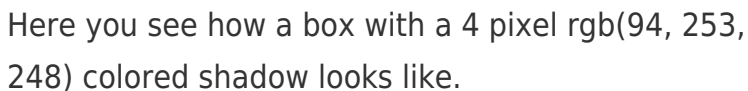
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 253, 248) }
```

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

```
.border{ border-color:rgb(94, 253, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(94, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 253, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 253, 248);  
box-shadow:4px 4px 4px 4px rgb(94, 253,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.4076, 0.2389, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 253, 248) }
```

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

```
.background{ background-color: rgb(94, 253,  
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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