

# Converting Colors

$Yxy(77.7407, 0.2545, 0.3452)$

Have a look what the booklet for  
Yxy(77.7407, 0.2545, 0.3452)  
contains.

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# Color

**Yxy(77.5873, 0.2546, 0.3455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF8EA
RGB	127, 248, 234
RGB Percent	50%, 97%, 92%
CMY	0.5018, 0.0274, 0.0823
CMYK	0.49, 0.00, 0.06, 0.03
HSL	173°, 90%, 74%
HSV	173°, 49%, 97%
XYZ	57.1743, 77.5873, 89.8037
YIQ	210.2250, -67.6220, -30.0060

# Conversions

## Conversions Part 2

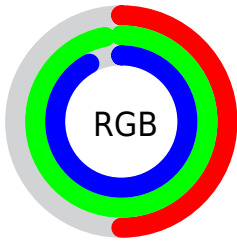
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 191, 248</a>
Decimal	<a href="#">8386794</a>
CIELab	<a href="#">90.59, -37.37, -3.78</a>
CIELCh	<a href="#">91, 37.560, 185.780</a>
Yxy	<a href="#">77.5873, 0.2546, 0.3455</a>
Android (android.graphics.Color)	<a href="#">4286576874</a> ( <a href="#">0xFF7FF8EA</a> )
YUV	<a href="#">210.2250, 11.7211, -72.9883</a>
Hunter-Lab	<a href="#">88.0837, -38.2836, 1.2108</a>

# Details

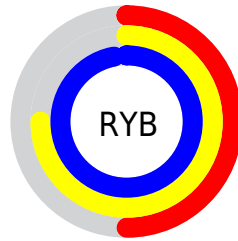
The Yxy color **77.5873, 0.2546, 0.3455** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.0685, 0.4337, 0.3145**, and the grayscale version is **64.5660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **41.5659, 0.2419, 0.3494** is the 20% darker color. If you saturate the color by 10%, you get **75.7505, 0.2469, 0.3495**, and if you desaturate by 10%, it is **79.9014, 0.2641, 0.3417**.

# Distribution



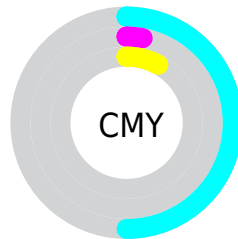
- Red (50%)
- Green (97%)
- Blue (92%)



- Red (50%)
- Yellow (75%)
- Blue (97%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)




- Cyan (50%)
- Magenta (3%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5873, 0.2546, 0.3455 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 77.5873, 0.2546, 0.3455 by changing the saturation by 10% instead.





 77.5873, 0.2546,  
0.3455

 77.5873, 0.2546,  
0.3455

486.7641, 0.2809,  
0.3383


 57.7350, 0.2488,  
0.3470


 129.9682, 0.2636,  
0.3431

 41.5957, 0.2416,  
0.3489


 163.2656, 0.2671,  
0.3421

 28.7848, 0.2328,  
0.3511

 201.8135, 0.2702,  
0.3413

 18.9181, 0.2214,  
0.3539

245.9962, 0.2728,  
0.3406

 11.6111, 0.2063,  
0.3575

296.1983, 0.2752,  
0.3399

 6.4795, 0.1855,  
0.3620

352.8040, 0.2773,

 3.1388, 0.1553,

0.3393

0.3678

416.1978, 0.2792,  
0.3388

■ 1.2046, 0.0659,  
0.3923

■ 0.0655, 0.0000,  
0.1632

■ 77.5873, 0.2546,  
0.3455

■ 77.5873, 0.2546,  
0.3455

■ 75.7505, 0.2469,  
0.3495

■ 79.9014, 0.2641,  
0.3417

■ 74.3469, 0.2411,  
0.3535


■ 82.7153, 0.2751,  
0.3381

■ 73.3397, 0.2372,  
0.3576


■ 86.0606, 0.2873,  
0.3347


■ 72.6815, 0.2353,  
0.3616


■ 89.9639, 0.3006,  
0.3315


 72.3034, 0.2350,  
0.3656

 94.4500, 0.3144,  
0.3287

 72.2653, 0.2350,  
0.3661

 95.3741, 0.3153,  
0.3259

 95.5567, 0.3136,  
0.3232

 95.6150, 0.3130,  
0.3223

# Harmonies

## Analogous

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



77.5873, 0.2908, 0.3860



77.5873, 0.2546, 0.3455



77.5873, 0.2343, 0.3029

# Triad

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



77.5873, 0.2546, 0.3455



77.5873, 0.2863, 0.2619



77.5873, 0.3981, 0.3794

# Complementary

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



77.5873, 0.2546, 0.3455



37.0685, 0.4337, 0.3145

# 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.



77.5873, 0.3980, 0.3453



77.5873, 0.2546, 0.3455



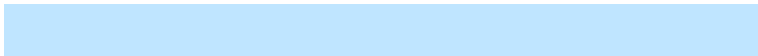
77.5873, 0.3307, 0.2805

# Square

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



77.5873, 0.2546, 0.3455



77.5873, 0.2516, 0.2583



77.5873, 0.3727, 0.3101



77.5873, 0.3742, 0.4036



# Rectangle

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



77.5873, 0.2546, 0.3455



77.5873, 0.2315, 0.2805



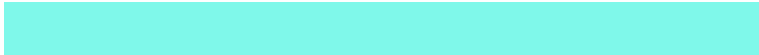
77.5873, 0.3727, 0.3101



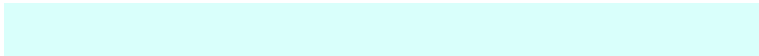
77.5873, 0.4010, 0.3687

# Sweetspot

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



77.5903, 0.2546, 0.3455



93.1716, 0.2922, 0.3335



74.3440, 0.3130, 0.4807



19.7610, 0.2895, 0.3341



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.



77.5903, 0.2546, 0.3455



80.6449, 0.2467, 0.3496



53.3599, 0.2375, 0.2712



19.5720, 0.2996, 0.3317



39.0512, 0.2349, 0.3655



3.6263, 0.2335, 0.3606



# Inverse Universe

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



37.0685, 0.4337, 0.3145



32.6759, 0.4761, 0.3126



51.5325, 0.4230, 0.3786



17.2579, 0.3276, 0.3263



10.8378, 0.6262, 0.3223

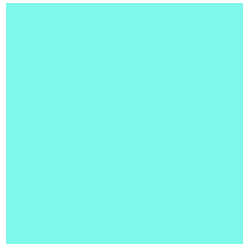


1.0140, 0.6015, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 77.5873, 0.2546, 0.3455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

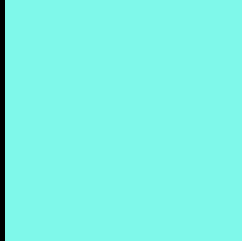
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5873, 0.2546, 0.3455 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 77.5873, 0.2546, 0.3455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5873, 0.2546, 0.3455.

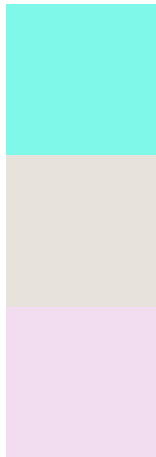


This preview shows how white text looks on a background with the Yxy color 77.5873, 0.2546, 0.3455.

# 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

77.5873, 0.2546, 0.3455

### Protanopia

76.7690, 0.3202, 0.3343

### Deuteranopia

76.3549, 0.3151, 0.3087



## Tritanopia

77.4327, 0.2601, 0.3121

# Trichromacy



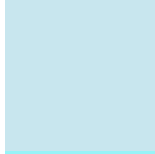
## Original Color

77.5873, 0.2546, 0.3455



## Protanomaly

75.8060, 0.2915, 0.3379



## Deuteranomaly

75.0460, 0.2882, 0.3202



## Tritanomaly

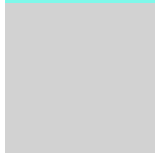
77.3959, 0.2581, 0.3243

# Monochromacy



## Original Color

77.5873, 0.2546, 0.3455



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.1291, 0.2863, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  77.5873, 0.2546, 0.3455 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(127, 248, 234)` looks like.

```
.text, #text, p{  
    color:rgb(127, 248, 234)  
}
```

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(127, 248, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 248, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5873, 0.2546, 0.3455 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(127, 248, 234) }
```

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

```
.border{ border-color:rgb(127, 248, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 248, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 248, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 248, 234);  
box-shadow:4px 4px 4px 4px rgb(127, 248,  
234) }
```



# Background

The CSS property to change the background color of an element to `rgb(77.5873, 0.2546, 0.3455)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 248, 234) }
```

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

```
.background{ background-color: rgb(127,  
248, 234) }
```

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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