

# Converting Colors

$Yxy(78.4833, 0.2457, 0.3185)$

Have a look what the booklet for  
Yxy(78.4833, 0.2457, 0.3185)  
contains.

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# Color

**Yxy(78.4087, 0.2460, 0.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81F7FF
RGB	129, 247, 255
RGB Percent	51%, 97%, 100%
CMY	0.4946, 0.0313, 0.0000
CMYK	0.49, 0.03, 0.00, 0.00
HSL	184°, 100%, 75%
HSV	184°, 49%, 100%
XYZ	60.3521, 78.4087, 106.5730
YIQ	212.6300, -72.8960, -22.5280

# Conversions

## Conversions Part 2

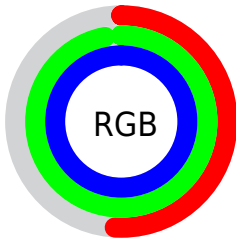
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 190, 255</a>
Decimal	<a href="#">8517631</a>
CIELab	<a href="#">90.97, -31.31, -14.15</a>
CIELCh	<a href="#">91, 34.355, 204.325</a>
Yxy	<a href="#">78.4087, 0.2460, 0.3196</a>
Android (android.graphics.Color)	<a href="#">4286707711 (0xFF81F7FF)</a>
YUV	<a href="#">212.6300, 20.8884, -73.3435</a>
Hunter-Lab	<a href="#">88.5487, -33.3000, -9.3746</a>

# Details

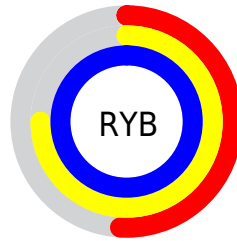
The Yxy color **78.4087, 0.2460, 0.3196** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.6951, 0.4490, 0.3376**, and the grayscale version is **66.1567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **41.9941, 0.2316, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **75.6761, 0.2369, 0.3175**, and if you desaturate by 10%, it is **81.6519, 0.2569, 0.3217**.

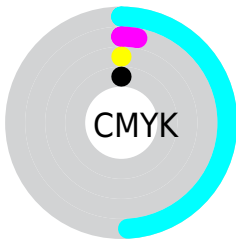
# Distribution



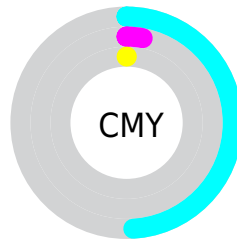
- Red (51%)
- Green (97%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4087, 0.2460, 0.3196 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 78.4087, 0.2460, 0.3196 by changing the saturation by 10% instead.





 78.4087, 0.2460,  
0.3196


 78.4087, 0.2460,  
0.3196

489.5537, 0.2757,  
0.3247


 58.4098, 0.2395,  
0.3183

 131.1261, 0.2561,  
0.3215

 42.1382, 0.2316,  
0.3166


 164.6134, 0.2601,  
0.3222

 29.2095, 0.2219,  
0.3143


 203.3655, 0.2635,  
0.3228

 19.2394, 0.2096,  
0.3112

247.7670, 0.2666,  
0.3233

 11.8434, 0.1935,  
0.3066

298.2022, 0.2692,  
0.3237

 6.6371, 0.1719,  
0.2995

355.0554, 0.2716,

 3.2362, 0.1417,

0.3241

0.2873

418.7111, 0.2738,  
0.3244

■ 1.2563, 0.0832,  
0.2683

■ 0.1070, 0.0000,  
0.0877

■ 78.4087, 0.2460,  
0.3196

■ 78.4087, 0.2460,  
0.3196

■ 75.6761, 0.2369,  
0.3175

■ 81.6519, 0.2569,  
0.3217

■ 73.4101, 0.2296,  
0.3153

■ 85.4336, 0.2695,  
0.3237

■ 71.5697, 0.2244,  
0.3131

■ 89.7866, 0.2833,  
0.3257

■ 70.1034, 0.2210,  
0.3110

■ 94.7397, 0.2981,  
0.3274

■ 68.9319, 0.2192,  
0.3089

100.0000, 0.3127,  
0.3290

■ 68.8718, 0.2191,  
0.3087

# Harmonies

## Analogous

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



78.4087, 0.2709, 0.3592



78.4087, 0.2460, 0.3196



78.4087, 0.2381, 0.2862

# Triad

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



78.4087, 0.2460, 0.3196



78.4087, 0.3134, 0.2764



78.4087, 0.3795, 0.3906

# Complementary

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



78.4087, 0.2460, 0.3196



40.6951, 0.4490, 0.3376

# 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.



78.4087, 0.3933, 0.3642



78.4087, 0.2460, 0.3196



78.4087, 0.3539, 0.3005

# Square

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



78.4087, 0.2460, 0.3196



78.4087, 0.2751, 0.2643



78.4087, 0.3840, 0.3317



78.4087, 0.3478, 0.4018

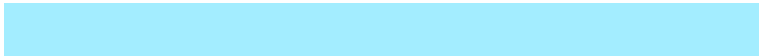


# Rectangle

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



78.4087, 0.2460, 0.3196



78.4087, 0.2430, 0.2717



78.4087, 0.3840, 0.3317



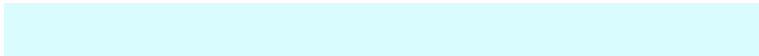
78.4087, 0.3865, 0.3830

# Sweetspot

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



78.4107, 0.2460, 0.3196



91.9186, 0.2898, 0.3265



77.9327, 0.3026, 0.4794



19.4553, 0.2867, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

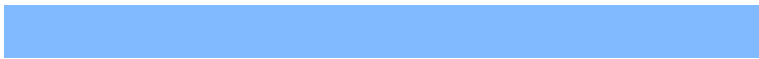
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4107, 0.2460, 0.3196



75.7906, 0.2372, 0.3176



46.8428, 0.2313, 0.2431



20.2729, 0.2980, 0.3274



36.0713, 0.2192, 0.3091



3.5693, 0.2199, 0.3115



# Inverse Universe

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



43.6465, 0.3253, 0.2156



37.8935, 0.3280, 0.1979



63.3435, 0.4134, 0.4002



18.2794, 0.3148, 0.3070



14.3694, 0.3375, 0.1633

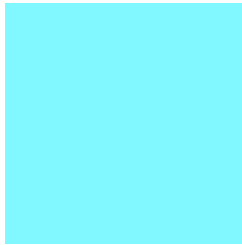


1.4049, 0.3354, 0.1621



# Previews

## White Background



This preview shows how the Yxy color 78.4087, 0.2460, 0.3196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

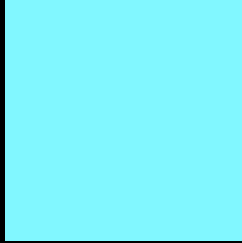
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4087, 0.2460, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

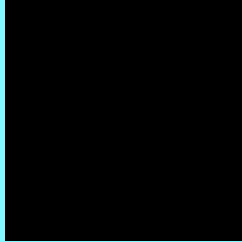
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.4087, 0.2460, 0.3196**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4087, 0.2460, 0.3196.

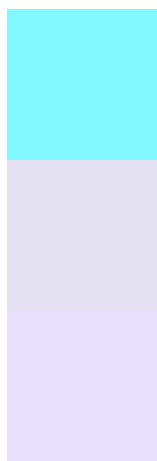


This preview shows how white text looks on a background with the Yxy color 78.4087, 0.2460, 0.3196.

# 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

78.4087, 0.2460, 0.3196

### Protanopia

77.2975, 0.3039, 0.3123

### Deuteranopia

77.3190, 0.2993, 0.2965



## Tritanopia

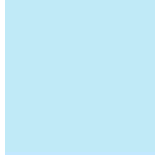
77.7557, 0.2615, 0.3122

# Trichromacy



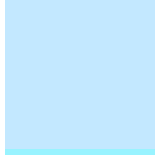
## Original Color

78.4087, 0.2460, 0.3196



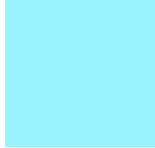
## Protanomaly

76.7675, 0.2785, 0.3147



## Deuteranomaly

76.5353, 0.2758, 0.3041



## Tritanomaly

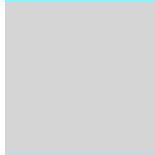
78.0935, 0.2553, 0.3153

# Monochromacy



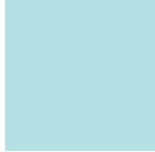
## Original Color

78.4087, 0.2460, 0.3196



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.3969, 0.2824, 0.3254

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4087, 0.2460, 0.3196 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(129, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 247, 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(129, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4087, 0.2460, 0.3196 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(129, 247, 255) }
```

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

```
.border{ border-color:rgb(129, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(129, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4087, 0.2460, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 247, 255) }
```

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

```
.background{ background-color: rgb(129,  
247, 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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