

# Converting Colors

$Yxy(85.4583, 0.2406, 0.3399)$

Have a look what the booklet for  
Yxy(85.4583, 0.2406, 0.3399)  
contains.

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# Color

**Yxy(81.0897, 0.2387, 0.3323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61FFFC
RGB	97, 255, 252
RGB Percent	38%, 100%, 99%
CMY	0.6202, 0.0000, 0.0117
CMYK	0.62, 0.00, 0.01, 0.00
HSL	179°, 100%, 69%
HSV	179°, 62%, 100%
XYZ	58.2489, 81.0897, 104.6870
YIQ	207.4160, -93.2050, -34.4290

# Conversions

## Conversions Part 2

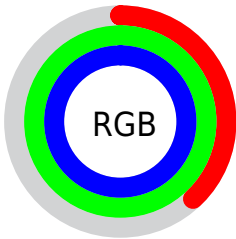
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 177, 255
Decimal	6422524
CIELab	92.17, -41.55, -10.89
CIElCh	92, 42.957, 194.691
Yxy	81.0897, 0.2387, 0.3323
Android (android.graphics.Color)	4284612604 (0xFF61FFFC)
YUV	207.4160, 21.9799, -96.8348
Hunter-Lab	90.0498, -42.1241, -5.8924

# Details

The Yxy color **81.0897, 0.2387, 0.3323** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **30.6973, 0.5089, 0.3269**, and the grayscale version is **62.5482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **44.3283, 0.2259, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **79.8712, 0.2329, 0.3329**, and if you desaturate by 10%, it is **82.7424, 0.2465, 0.3317**.

# Distribution



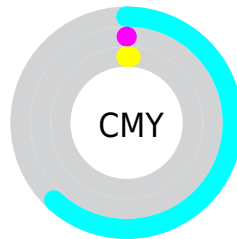
- Red (38%)
- Green (100%)
- Blue (99%)



- Red (38%)
- Yellow (69%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0897, 0.2387, 0.3323 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 81.0897, 0.2387, 0.3323 by changing the saturation by 10% instead.





 81.0897, 0.2387,  
0.3323


 81.0897, 0.2387,  
0.3323


498.5976, 0.2715,  
0.3317


 60.6155, 0.2316,  
0.3322

 134.8967, 0.2498,  
0.3323

 43.9149, 0.2230,  
0.3320


 168.9983, 0.2542,  
0.3322

 30.6036, 0.2124,  
0.3317


 208.4111, 0.2580,  
0.3321

 20.2972, 0.1991,  
0.3309

253.5196, 0.2613,  
0.3320

 12.6113, 0.1818,  
0.3294

304.7081, 0.2643,  
0.3320

 7.1614, 0.1588,  
0.3265

362.3610, 0.2670,

 3.5633, 0.1272,

0.3319

426.8627, 0.2693,  
0.3318

0.3204

1.4324, 0.0584,  
0.3141

0.2404, 0.0000,  
0.1900

81.0897, 0.2387,  
0.3323

81.0897, 0.2387,  
0.3323

79.8712, 0.2329,  
0.3329

82.7424, 0.2465,  
0.3317

79.0654, 0.2290,  
0.3335

84.8916, 0.2561,  
0.3311

78.6102, 0.2270,  
0.3341

87.5645, 0.2675,  
0.3305

78.4337, 0.2263,  
0.3346

90.7926, 0.2804,  
0.3300

■ 94.6050, 0.2946,  
0.3295

■ 99.0288, 0.3096,  
0.3291

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



81.0897, 0.2743, 0.3815



81.0897, 0.2387, 0.3323



81.0897, 0.2226, 0.2870

# Triad

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



81.0897, 0.2387, 0.3323



81.0897, 0.2970, 0.2588



81.0897, 0.4031, 0.3946

# Complementary

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



81.0897, 0.2387, 0.3323



30.6973, 0.5089, 0.3269

# 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.



81.0897, 0.4120, 0.3584



81.0897, 0.2387, 0.3323



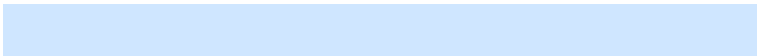
81.0897, 0.3479, 0.2835

# Square

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



81.0897, 0.2387, 0.3323



81.0897, 0.2541, 0.2494



81.0897, 0.3914, 0.3188



81.0897, 0.3694, 0.4173



# Rectangle

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



81.0897, 0.2387, 0.3323



81.0897, 0.2239, 0.2657



81.0897, 0.3914, 0.3188



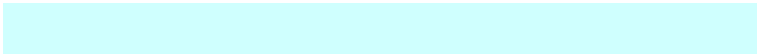
81.0897, 0.4093, 0.3835

# Sweetspot

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



81.0819, 0.2387, 0.3323



91.8819, 0.2846, 0.3299



75.2117, 0.3054, 0.5292



19.4455, 0.2807, 0.3300



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.



81.0819, 0.2387, 0.3323



79.6813, 0.2320, 0.3330



42.8793, 0.2157, 0.2340



20.4752, 0.2983, 0.3294



40.9860, 0.2263, 0.3345



3.9925, 0.2261, 0.3338



# Inverse Universe

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



30.6973, 0.5089, 0.3269



25.6321, 0.5657, 0.3273



51.1138, 0.4555, 0.4022



17.9926, 0.3292, 0.3286



11.1167, 0.6382, 0.3289

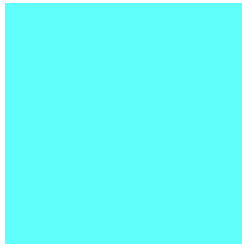


1.0843, 0.6336, 0.3264



# Previews

## White Background



This preview shows how the Yxy color 81.0897, 0.2387, 0.3323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

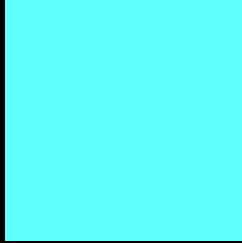
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0897, 0.2387, 0.3323 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 81.0897, 0.2387, 0.3323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0897, 0.2387, 0.3323.

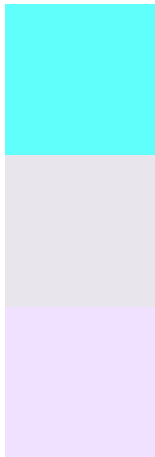


This preview shows how white text looks on a background with the Yxy color 81.0897, 0.2387, 0.3323.

# 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

81.0897, 0.2387, 0.3323

### Protanopia

79.4767, 0.3104, 0.3207

### Deuteranopia

79.4211, 0.3033, 0.2989



## Tritanopia

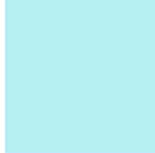
80.4351, 0.2660, 0.3157

# Trichromacy



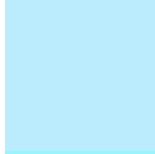
## Original Color

81.0897, 0.2387, 0.3323



## Protanomaly

77.6272, 0.2764, 0.3244



## Deuteranomaly

77.7115, 0.2722, 0.3093



## Tritanomaly

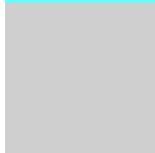
79.8803, 0.2538, 0.3209

# Monochromacy



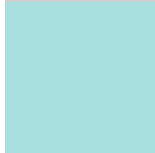
## Original Color

81.0897, 0.2387, 0.3323



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.8545, 0.2761, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0897, 0.2387, 0.3323 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(97, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 252)  
}
```

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(97, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0897, 0.2387, 0.3323 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(97, 255, 252) }
```

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

```
.border{ border-color:rgb(97, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0897, 0.2387, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 252) }
```

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

```
.background{ background-color: rgb(97, 255,  
252) }
```

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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