

# Converting Colors

$Yxy(81.4110, 0.2399, 0.3316)$

Have a look what the booklet for  
Yxy(81.4110, 0.2399, 0.3316)  
contains.

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# Color

**Yxy(81.4366, 0.2398, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFFD
RGB	102, 255, 253
RGB Percent	40%, 100%, 99%
CMY	0.5994, 0.0000, 0.0078
CMYK	0.60, 0.00, 0.01, 0.00
HSL	179°, 100%, 70%
HSV	179°, 60%, 100%
XYZ	58.9807, 81.4366, 105.5405
YIQ	209.0250, -90.5460, -33.0580

# Conversions

## Conversions Part 2

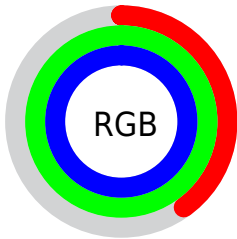
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 179, 255</a>
Decimal	<a href="#">6750205</a>
CIELab	<a href="#">92.33, -40.45, -11.16</a>
CIElCh	<a href="#">92, 41.958, 195.431</a>
Yxy	<a href="#">81.4366, 0.2398, 0.3311</a>
Android (android.graphics.Color)	<a href="#">4284940285</a> ( <a href="#">0xFF66FFFD</a> )
YUV	<a href="#">209.0250, 21.6797, -93.8609</a>
Hunter-Lab	<a href="#">90.2422, -41.2596, -6.1715</a>

# Details

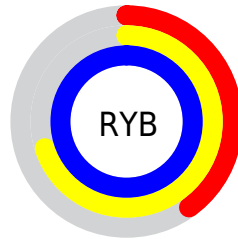
The Yxy color **81.4366, 0.2398, 0.3311** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.7912, 0.5000, 0.3277**, and the grayscale version is **63.7034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.3737, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **80.1485, 0.2336, 0.3315**, and if you desaturate by 10%, it is **83.1892, 0.2480, 0.3307**.

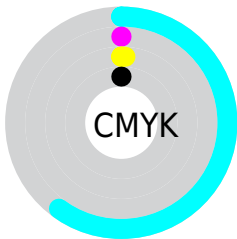
# Distribution



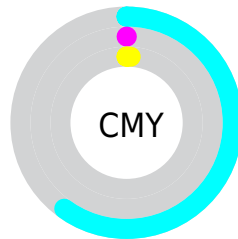
- Red (40%)
- Green (100%)
- Blue (99%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4366, 0.2398, 0.3311 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 81.4366, 0.2398, 0.3311 by changing the saturation by 10% instead.





 81.4366, 0.2398,  
0.3311

 81.4366, 0.2398,  
0.3311


499.7612, 0.2721,  
0.3310


 60.9012, 0.2328,  
0.3309


 135.3836, 0.2507,  
0.3312

 44.1455, 0.2243,  
0.3306


 169.5641, 0.2550,  
0.3312

 30.7849, 0.2139,  
0.3300


 209.0618, 0.2588,  
0.3312

 20.4351, 0.2008,  
0.3291

254.2609, 0.2621,  
0.3312

 12.7117, 0.1838,  
0.3274

305.5461, 0.2650,  
0.3312

 7.2303, 0.1612,  
0.3241


363.3016, 0.2676,


 3.6066, 0.1300,


0.3311


427.9118, 0.2700,  
0.3311


0.3176


 1.4560, 0.0658,  
0.3094


 0.2575, 0.0000,  
0.1948


 81.4366, 0.2398,  
0.3311

 81.4366, 0.2398,  
0.3311


 80.1485, 0.2336,  
0.3315


 83.1892, 0.2480,  
0.3307

 79.2720, 0.2293,  
0.3319


 85.4349, 0.2581,  
0.3303


 78.7583, 0.2268,  
0.3323

 88.2110, 0.2699,  
0.3299

 78.5233, 0.2258,  
0.3328

 91.5484, 0.2831,  
0.3296

 78.5222, 0.2258,  
0.3328

 95.4759, 0.2975,  
0.3293

99.9941, 0.3127,  
0.3290

99.9945, 0.3127,  
0.3290

# Harmonies

## Analogous

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



81.4366, 0.2742, 0.3791



81.4366, 0.2398, 0.3311



81.4366, 0.2245, 0.2872

# Triad

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



81.4366, 0.2398, 0.3311



81.4366, 0.2986, 0.2608



81.4366, 0.4004, 0.3940

# Complementary

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



81.4366, 0.2398, 0.3311



31.7912, 0.5000, 0.3277

# 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.



81.4366, 0.4097, 0.3588



81.4366, 0.2398, 0.3311



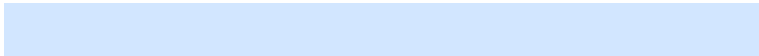
81.4366, 0.3483, 0.2853

# Square

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



81.4366, 0.2398, 0.3311



81.4366, 0.2563, 0.2512



81.4366, 0.3903, 0.3201



81.4366, 0.3671, 0.4154



# Rectangle

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



81.4366, 0.2398, 0.3311



81.4366, 0.2261, 0.2667



81.4366, 0.3903, 0.3201



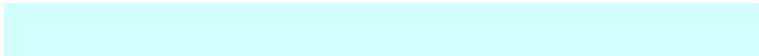
81.4366, 0.4066, 0.3832

# Sweetspot

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



81.4397, 0.2398, 0.3311



92.2715, 0.2858, 0.3295



75.4611, 0.3047, 0.5231



19.5221, 0.2818, 0.3296



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.



81.4397, 0.2398, 0.3311



79.9419, 0.2325, 0.3316



43.1468, 0.2178, 0.2344



20.4772, 0.2982, 0.3293



41.0346, 0.2258, 0.3327



3.9967, 0.2256, 0.3322



# Inverse Universe

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



31.7912, 0.5000, 0.3277



26.3091, 0.5578, 0.3280



53.2787, 0.4475, 0.4029



17.9909, 0.3293, 0.3287



11.1143, 0.6388, 0.3292

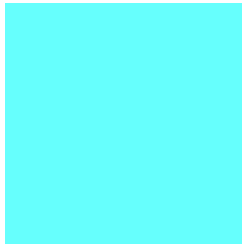


1.0834, 0.6356, 0.3275



# Previews

## White Background



This preview shows how the Yxy color 81.4366, 0.2398, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

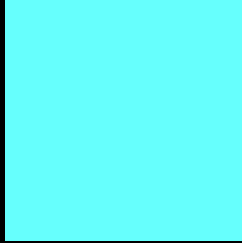
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4366, 0.2398, 0.3311 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

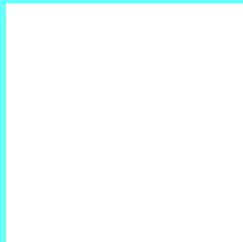
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4366, 0.2398, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4366, 0.2398, 0.3311.

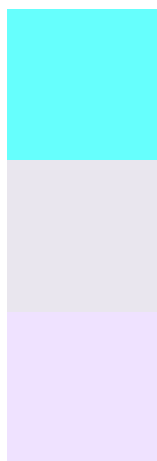


This preview shows how white text looks on a background with the Yxy color 81.4366, 0.2398, 0.3311.

# 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

81.4366, 0.2398, 0.3311

### Protanopia

80.0903, 0.3097, 0.3208

### Deuteranopia

79.9634, 0.3033, 0.3000



## Tritanopia

80.6683, 0.2671, 0.3157

# Trichromacy



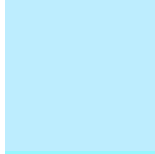
## Original Color

81.4366, 0.2398, 0.3311



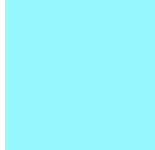
## Protanomaly

78.5184, 0.2771, 0.3245



## Deuteranomaly

78.5429, 0.2734, 0.3105



## Tritanomaly

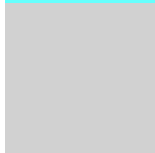
80.1613, 0.2551, 0.3209

# Monochromacy



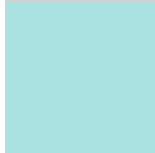
## Original Color

81.4366, 0.2398, 0.3311



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.3750, 0.2769, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4366, 0.2398, 0.3311 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(102, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 253)  
}
```

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(102, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4366, 0.2398, 0.3311 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(102, 255, 253) }
```

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

```
.border{ border-color:rgb(102, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4366, 0.2398, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 253) }
```

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

```
.background{ background-color: rgb(102,  
255, 253) }
```

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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