

# Converting Colors

$Yxy(81.0420, 0.2422, 0.3386)$

Have a look what the booklet for  
Yxy(81.0420, 0.2422, 0.3386)  
contains.

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# Color

**Yxy(81.0602, 0.2421, 0.3382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFF7
RGB	102, 255, 247
RGB Percent	40%, 100%, 97%
CMY	0.6001, 0.0000, 0.0313
CMYK	0.60, 0.00, 0.03, 0.00
HSL	177°, 100%, 70%
HSV	177°, 60%, 100%
XYZ	58.0268, 81.0602, 100.5942
YIQ	208.3410, -88.6200, -34.9240

# Conversions

## Conversions Part 2

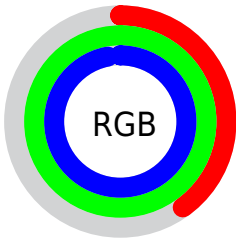
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 181, 255
Decimal	6750199
CIELab	92.16, -42.04, -8.31
CIELCh	92, 42.850, 191.183
Yxy	81.0602, 0.2421, 0.3382
Android (android.graphics.Color)	4284940279 (0xFF66FFF7)
YUV	208.3410, 19.0589, -93.2611
Hunter-Lab	90.0334, -42.5147, -3.2212

# Details

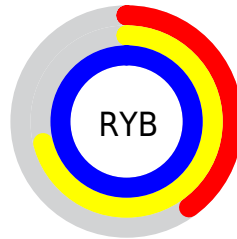
The Yxy color **81.0602, 0.2421, 0.3382** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8826, 0.4929, 0.3220**, and the grayscale version is **63.2217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.1498, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **79.7104, 0.2361, 0.3399**, and if you desaturate by 10%, it is **82.8673, 0.2500, 0.3365**.

# Distribution



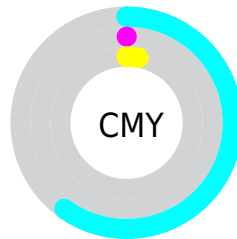
- Red (40%)
- Green (100%)
- Blue (97%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0602, 0.2421, 0.3382 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 81.0602, 0.2421, 0.3382 by changing the saturation by 10% instead.





 81.0602, 0.2421,  
0.3382


 81.0602, 0.2421,  
0.3382


498.4986, 0.2735,  
0.3348


 60.5912, 0.2353,  
0.3388


 134.8553, 0.2527,  
0.3372

 43.8953, 0.2270,  
0.3394

 168.9502, 0.2569,  
0.3367

 30.5882, 0.2167,  
0.3401


 208.3558, 0.2606,  
0.3363

 20.2855, 0.2038,  
0.3408

253.4565, 0.2638,  
0.3359

 12.6027, 0.1870,  
0.3412

304.6368, 0.2666,  
0.3356

 7.1556, 0.1644,  
0.3411

362.2809, 0.2692,

 3.5596, 0.1330,

0.3353

426.7734, 0.2714,  
0.3350

0.3392

1.4304, 0.0605,  
0.3417

0.2390, 0.0000,  
0.2212

81.0602, 0.2421,  
0.3382

81.0602, 0.2421,  
0.3382

79.7104, 0.2361,  
0.3399

82.8673, 0.2500,  
0.3365

78.7763, 0.2321,  
0.3417


85.1716, 0.2598,  
0.3348

78.2052, 0.2299,  
0.3434

88.0066, 0.2712,  
0.3332

77.9124, 0.2292,  
0.3452

91.4034, 0.2841,  
0.3317

 95.3906, 0.2980,  
0.3303

99.9950, 0.3127,  
0.3290

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.



81.0602, 0.2795, 0.3865



81.0602, 0.2421, 0.3382



81.0602, 0.2236, 0.2917

# Triad

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



81.0602, 0.2421, 0.3382



81.0602, 0.2914, 0.2570



81.0602, 0.4054, 0.3907

# Complementary

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



81.0602, 0.2421, 0.3382



31.8826, 0.4929, 0.3220

# 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.



81.0602, 0.4109, 0.3537



81.0602, 0.2421, 0.3382



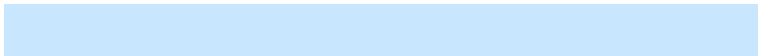
81.0602, 0.3419, 0.2801

# Square

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



81.0602, 0.2421, 0.3382



81.0602, 0.2502, 0.2496



81.0602, 0.3871, 0.3144



81.0602, 0.3742, 0.4155



# Rectangle

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



81.0602, 0.2421, 0.3382



81.0602, 0.2232, 0.2690



81.0602, 0.3871, 0.3144



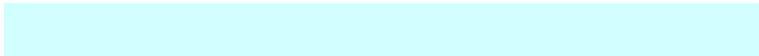
81.0602, 0.4105, 0.3792

# Sweetspot

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



81.0596, 0.2421, 0.3382



92.1566, 0.2868, 0.3314



75.9351, 0.3080, 0.5213



19.4936, 0.2829, 0.3318



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.



81.0596, 0.2421, 0.3382



79.4930, 0.2352, 0.3403



46.3047, 0.2200, 0.2446



20.4641, 0.2987, 0.3302



40.7181, 0.2291, 0.3449



3.9694, 0.2286, 0.3429



# Inverse Universe

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



31.8826, 0.4929, 0.3220



26.4113, 0.5493, 0.3224



50.3295, 0.4533, 0.3955



18.0024, 0.3286, 0.3278



11.1307, 0.6348, 0.3271

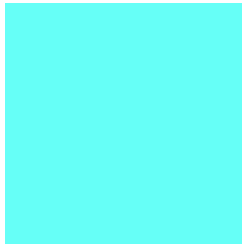


1.0889, 0.6226, 0.3203



# Previews

## White Background



This preview shows how the Yxy color 81.0602, 0.2421, 0.3382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

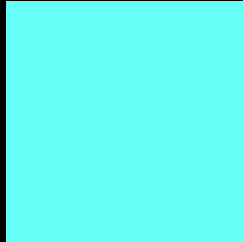
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0602, 0.2421, 0.3382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

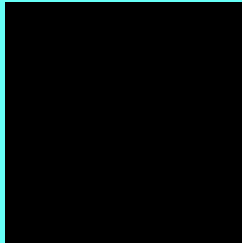
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

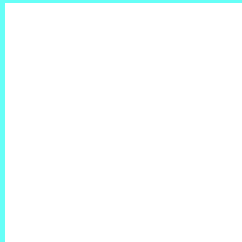
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0602, 0.2421, 0.3382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0602, 0.2421, 0.3382.

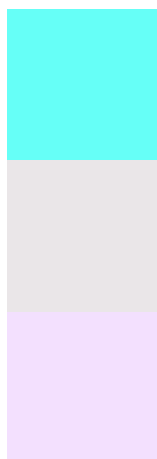


This preview shows how white text looks on a background with the Yxy color 81.0602, 0.2421, 0.3382.

# 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

81.0602, 0.2421, 0.3382

### Protanopia

79.9122, 0.3142, 0.3269

### Deuteranopia

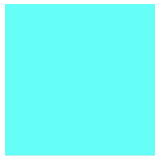
79.5218, 0.3066, 0.2991



## Tritanopia

80.4351, 0.2660, 0.3157

# Trichromacy



## Original Color

81.0602, 0.2421, 0.3382



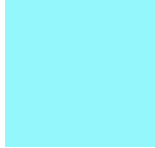
## Protanomaly

78.2865, 0.2809, 0.3311



## Deuteranomaly

77.5882, 0.2765, 0.3115



## Tritanomaly

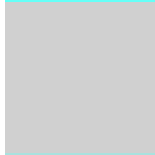
79.8457, 0.2552, 0.3232

# Monochromacy



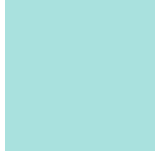
## Original Color

81.0602, 0.2421, 0.3382



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.5594, 0.2779, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0602, 0.2421, 0.3382 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0602, 0.2421, 0.3382 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, 247) }
```

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

```
.border{ border-color:rgb(102, 255, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0602, 0.2421, 0.3382 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, 247) }
```

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

```
.background{ background-color: rgb(102,  
255, 247) }
```

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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