

# Converting Colors

$Y_{xy}(81.6245, 0.2252, 0.2859)$

Have a look what the booklet for  
Yxy(81.6245, 0.2252, 0.2859)  
contains.

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# Color

**Yxy(79.0391, 0.2379, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FBFF
RGB	102, 251, 255
RGB Percent	40%, 98%, 100%
CMY	0.6005, 0.0156, 0.0000
CMYK	0.60, 0.02, 0.00, 0.00
HSL	182°, 100%, 70%
HSV	182°, 60%, 100%
XYZ	58.0173, 79.0391, 106.8162
YIQ	206.9050, -90.0880, -30.3440

# Conversions

## Conversions Part 2

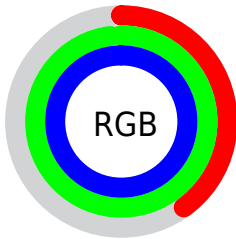
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 177, 255</a>
Decimal	<a href="#">6749183</a>
CIELab	<a href="#">91.25, -38.15, -13.81</a>
CIELCh	<a href="#">91, 40.575, 199.898</a>
Yxy	<a href="#">79.0391, 0.2379, 0.3241</a>
Android (android.graphics.Color)	<a href="#">4284939263 (0xFF66FBFF)</a>
YUV	<a href="#">206.9050, 23.7108, -92.0017</a>
Hunter-Lab	<a href="#">88.9039, -39.0957, -9.0029</a>

# Details

The Yxy color **79.0391, 0.2379, 0.3241** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.4968, 0.5002, 0.3333**, and the grayscale version is **62.2012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **42.6608, 0.2229, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **77.3616, 0.2313, 0.3232**, and if you desaturate by 10%, it is **81.1801, 0.2465, 0.3250**.

# Distribution



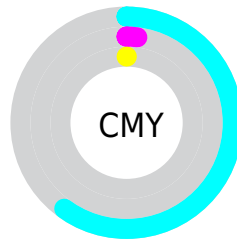
- Red (40%)
- Green (98%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (60%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0391, 0.2379, 0.3241 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 79.0391, 0.2379, 0.3241 by changing the saturation by 10% instead.





 79.0391, 0.2379,  
0.3241

 79.0391, 0.2379,  
0.3241


491.6886, 0.2711,  
0.3273


 58.9280, 0.2307,  
0.3232


 132.0139, 0.2491,  
0.3254

 42.5551, 0.2220,  
0.3219


 165.6464, 0.2536,  
0.3258

 29.5362, 0.2112,  
0.3201


 204.5547, 0.2574,  
0.3262

 19.4868, 0.1977,  
0.3176

249.1233, 0.2608,  
0.3265

 12.0226, 0.1802,  
0.3138

299.7366, 0.2638,  
0.3268

 6.7591, 0.1569,  
0.3075

356.7790, 0.2665,

 3.3119, 0.1248,

0.3270

0.2964

420.6349, 0.2689,  
0.3272

■ 1.2966, 0.0548,  
0.2814

■ 0.1386, 0.0000,  
0.1097

■ 79.0391, 0.2379,  
0.3241

■ 79.0391, 0.2379,  
0.3241

■ 77.3616, 0.2313,  
0.3232

■ 81.1801, 0.2465,  
0.3250

■ 76.0977, 0.2266,  
0.3223


■ 83.8163, 0.2569,  
0.3259

■ 75.1975, 0.2238,  
0.3215

■ 86.9840, 0.2690,  
0.3267

■ 74.5783, 0.2224,  
0.3207

■ 90.7141, 0.2825,  
0.3275

 95.0355, 0.2972,  
0.3283

99.9749, 0.3126,  
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.



79.0391, 0.2692, 0.3714



79.0391, 0.2379, 0.3241



79.0391, 0.2260, 0.2831

# Triad

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



79.0391, 0.2379, 0.3241



79.0391, 0.3061, 0.2650



79.0391, 0.3949, 0.3969

# Complementary

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



79.0391, 0.2379, 0.3241



32.4968, 0.5002, 0.3333

# 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.



79.0391, 0.4079, 0.3638



79.0391, 0.2379, 0.3241



79.0391, 0.3545, 0.2908

# Square

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



79.0391, 0.2379, 0.3241



79.0391, 0.2629, 0.2532



79.0391, 0.3930, 0.3259



79.0391, 0.3598, 0.4146



# Rectangle

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



79.0391, 0.2379, 0.3241



79.0391, 0.2295, 0.2648



79.0391, 0.3930, 0.3259



79.0391, 0.4021, 0.3870

# Sweetspot

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



79.0412, 0.2379, 0.3241



91.5500, 0.2855, 0.3277



75.3459, 0.3027, 0.5213



19.3428, 0.2813, 0.3275



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.



79.0412, 0.2379, 0.3241



77.0837, 0.2302, 0.3231



41.0440, 0.2161, 0.2273



20.3955, 0.2980, 0.3283



39.0053, 0.2224, 0.3208



3.8225, 0.2227, 0.3218



# Inverse Universe

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



37.7048, 0.3229, 0.1921



32.7336, 0.3247, 0.1748



55.2610, 0.4441, 0.4080



18.2917, 0.3142, 0.3062



14.6656, 0.3275, 0.1578

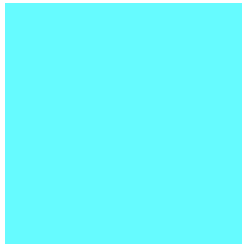


1.4304, 0.3267, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 79.0391, 0.2379, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

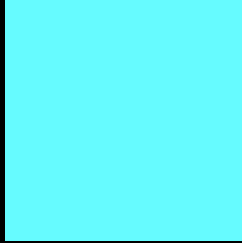
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0391, 0.2379, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

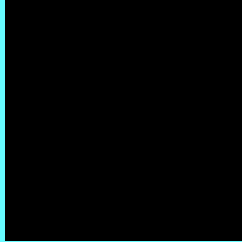
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0391, 0.2379, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0391, 0.2379, 0.3241.

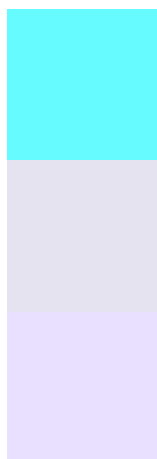


This preview shows how white text looks on a background with the Yxy color 79.0391, 0.2379, 0.3241.

# 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

79.0391, 0.2379, 0.3241

### Protanopia

77.8875, 0.3058, 0.3155

### Deuteranopia

77.8549, 0.2993, 0.2975



## Tritanopia

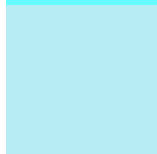
78.7236, 0.2609, 0.3144

# Trichromacy



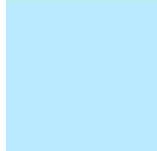
## Original Color

79.0391, 0.2379, 0.3241



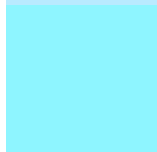
## Protanomaly

76.6508, 0.2746, 0.3189



## Deuteranomaly

76.3799, 0.2703, 0.3059



## Tritanomaly

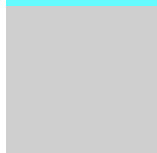
78.2756, 0.2509, 0.3174

# Monochromacy



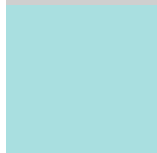
## Original Color

79.0391, 0.2379, 0.3241



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.5922, 0.2766, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0391, 0.2379, 0.3241 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 251, 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(102, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 251, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0391, 0.2379, 0.3241 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, 251, 255) }
```

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

```
.border{ border-color:rgb(102, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 251,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0391, 0.2379, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 251, 255) }
```

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

```
.background{ background-color: rgb(102,  
251, 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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