

# Converting Colors

$Y_{xy}(79.2489, 0.2411, 0.3233)$

Have a look what the booklet for  
Yxy(79.2489, 0.2411, 0.3233)  
contains.

<b>Yxy(79.1019, 0.2411, 0.3230)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(79.1019, 0.2411, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71FAFF
RGB	113, 250, 255
RGB Percent	44%, 98%, 100%
CMY	0.5568, 0.0196, 0.0001
CMYK	0.56, 0.02, 0.00, 0.00
HSL	182°, 100%, 72%
HSV	182°, 56%, 100%
XYZ	59.0448, 79.1019, 106.7508
YIQ	209.6070, -83.2570, -27.4890

# Conversions

## Conversions Part 2

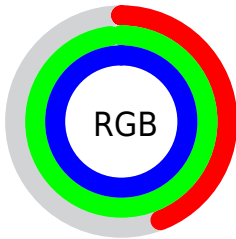
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 183, 255
Decimal	7469823
CIELab	91.28, -35.79, -13.72
CIElCh	91, 38.326, 200.976
Yxy	79.1019, 0.2411, 0.3230
Android (android.graphics.Color)	4285659903 (0xFF71FAFF)
YUV	209.6070, 22.3787, -84.7243
Hunter-Lab	88.9392, -37.1415, -8.9063

# Details

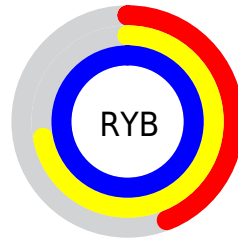
The Yxy color **79.1019, 0.2411, 0.3230** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.4071, 0.4787, 0.3344**, and the grayscale version is **64.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **42.5745, 0.2259, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **77.0895, 0.2335, 0.3218**, and if you desaturate by 10%, it is **81.5979, 0.2506, 0.3242**.

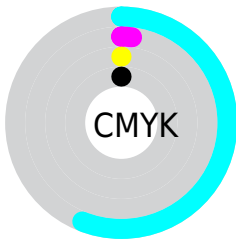
# Distribution



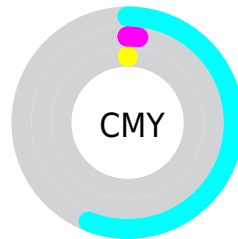
- Red (44%)
- Green (98%)
- Blue (100%)



- Red (44%)
- Yellow (72%)
- Blue (100%)



- Cyan (56%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1019, 0.2411, 0.3230 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 79.1019, 0.2411, 0.3230 by changing the saturation by 10% instead.




 79.1019, 0.2411,  
0.3230


 79.1019, 0.2411,  
0.3230


491.9010, 0.2729,  
0.3266


 58.9796, 0.2342,  
0.3220


 132.1023, 0.2519,  
0.3244

 42.5967, 0.2258,  
0.3206


 165.7492, 0.2561,  
0.3249

 29.5688, 0.2155,  
0.3188


 204.6731, 0.2598,  
0.3253

 19.5115, 0.2024,  
0.3162

249.2583, 0.2631,  
0.3257

 12.0405, 0.1855,  
0.3122

299.8893, 0.2660,  
0.3260

 6.7712, 0.1629,  
0.3059

356.9505, 0.2685,

 3.3195, 0.1316,

0.3262

0.2948

420.8263, 0.2708,  
0.3265

■ 1.3007, 0.0672,  
0.2787

■ 0.1417, 0.0000,  
0.1122

■ 79.1019, 0.2411,  
0.3230

■ 79.1019, 0.2411,  
0.3230

■ 77.0895, 0.2335,  
0.3218

■ 81.5979, 0.2506,  
0.3242

■ 75.5108, 0.2279,  
0.3206

■ 84.6047, 0.2619,  
0.3253

■ 74.3210, 0.2242,  
0.3194

■ 88.1580, 0.2747,  
0.3265

■ 73.4608, 0.2221,  
0.3183

■ 92.2877, 0.2888,  
0.3275

■ 73.1539, 0.2216,  
0.3178

■ 97.0217, 0.3039,  
0.3285

99.9991, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.1019, 0.2703, 0.3674



79.1019, 0.2411, 0.3230



79.1019, 0.2304, 0.2846

# Triad

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



79.1019, 0.2411, 0.3230



79.1019, 0.3082, 0.2689



79.1019, 0.3896, 0.3943

# Complementary

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



79.1019, 0.2411, 0.3230



35.4071, 0.4787, 0.3344

# 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.



79.1019, 0.4026, 0.3636



79.1019, 0.2411, 0.3230



79.1019, 0.3538, 0.2939

# Square

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



79.1019, 0.2411, 0.3230



79.1019, 0.2668, 0.2572



79.1019, 0.3894, 0.3276



79.1019, 0.3559, 0.4099



# Rectangle

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



79.1019, 0.2411, 0.3230



79.1019, 0.2342, 0.2675



79.1019, 0.3894, 0.3276



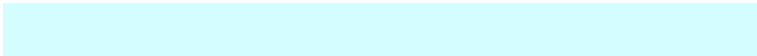
79.1019, 0.3967, 0.3852

# Sweetspot

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



79.1049, 0.2411, 0.3230



91.7183, 0.2869, 0.3274



76.3252, 0.3024, 0.5037



19.4471, 0.2840, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

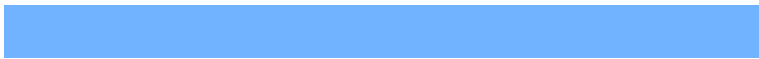
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1049, 0.2411, 0.3230



76.8659, 0.2326, 0.3216



43.0798, 0.2220, 0.2330



20.3656, 0.2980, 0.3281



38.2778, 0.2217, 0.3180



3.7598, 0.2220, 0.3193



# Inverse Universe

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



39.9743, 0.3234, 0.2007



34.4638, 0.3255, 0.1823



58.7313, 0.4307, 0.4057



18.2887, 0.3143, 0.3064



14.5921, 0.3299, 0.1591

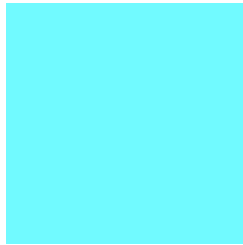


1.4241, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 79.1019, 0.2411, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

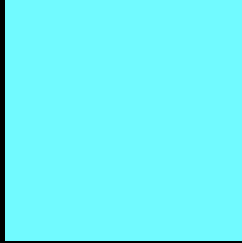
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1019, 0.2411, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

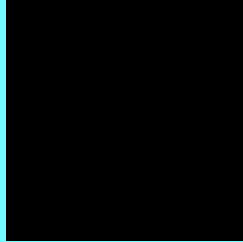
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1019, 0.2411, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1019, 0.2411, 0.3230.

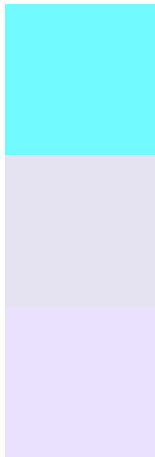


This preview shows how white text looks on a background with the Yxy color 79.1019, 0.2411, 0.3230.

# 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

79.1019, 0.2411, 0.3230

### Protanopia

77.9471, 0.3052, 0.3145

### Deuteranopia

78.0237, 0.2999, 0.2976



## Tritanopia

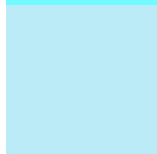
78.3461, 0.2617, 0.3133

# Trichromacy



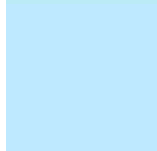
## Original Color

79.1019, 0.2411, 0.3230



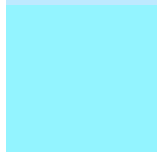
## Protanomaly

76.6353, 0.2763, 0.3168



## Deuteranomaly

76.4450, 0.2730, 0.3050



## Tritanomaly

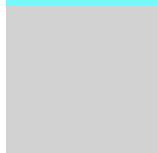
78.1244, 0.2528, 0.3164

# Monochromacy



## Original Color

79.1019, 0.2411, 0.3230



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

68.4554, 0.2793, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1019, 0.2411, 0.3230 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(113, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 250, 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(113, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1019, 0.2411, 0.3230 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(113, 250, 255) }
```

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

```
.border{ border-color:rgb(113, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1019, 0.2411, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 250, 255) }
```

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

```
.background{ background-color: rgb(113,  
250, 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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