

# Converting Colors

$Y_{xy}(79.4898, 0.2323, 0.3273)$

Have a look what the booklet for  
Yxy(79.4898, 0.2323, 0.3273)  
contains.

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# Color

**Yxy(79.6401, 0.2323, 0.3276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CFE FF
RGB	76, 254, 255
RGB Percent	30%, 100%, 100%
CMY	0.7018, 0.0039, 0.0001
CMYK	0.70, 0.00, 0.00, 0.00
HSL	180°, 100%, 65%
HSV	180°, 70%, 100%
XYZ	56.4725, 79.6401, 106.9890
YIQ	200.8920, -106.4090, -37.4250

# Conversions

## Conversions Part 2

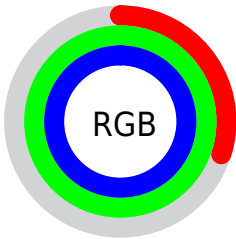
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	76, 165, 255
Decimal	5046015
CIE Lab	91.52, -43.12, -13.45
CIE LCh	92, 45.168, 197.322
Yxy	79.6401, 0.2323, 0.3276
Android (android.graphics.Color)	4283236095 (0xFF4CFE FF)
YUV	200.8920, 26.6752, -109.5303
Hunter-Lab	89.2413, -43.2162, -8.6123

# Details

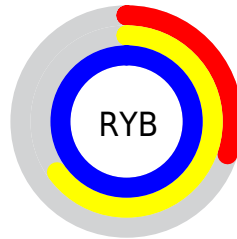
The Yxy color **79.6401, 0.2323, 0.3276** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.0922, 0.5513, 0.3305**, and the grayscale version is **58.2292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.7079, 0.2279, 0.3274**, and if you desaturate by 10%, it is **80.9919, 0.2386, 0.3278**.

# Distribution



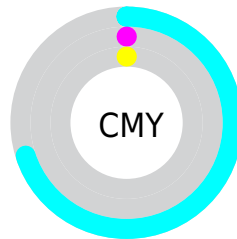
- Red (30%)
- Green (100%)
- Blue (100%)



- Red (30%)
- Yellow (65%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6401, 0.2323, 0.3276 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 79.6401, 0.2323, 0.3276 by changing the saturation by 10% instead.




 79.6401, 0.2323,  
0.3276


 79.6401, 0.2323,  
0.3276

493.7191, 0.2678,  
0.3294


 59.4222, 0.2246,  
0.3270


 132.8596, 0.2443,  
0.3284


 42.9531, 0.2153,  
0.3260


 166.6301, 0.2491,  
0.3287

 29.8483, 0.2039,  
0.3247


 205.6868, 0.2532,  
0.3289

 19.7235, 0.1896,  
0.3227

 250.4143, 0.2568,  
0.3290

 12.1942, 0.1712,  
0.3194

301.1968, 0.2601,  
0.3291

 6.8761, 0.1468,  
0.3139


358.4189, 0.2629,


 3.3847, 0.1138,


0.3292


422.4649, 0.2655,  
0.3293


0.3036


 1.3357, 0.0350,  
0.2923


 0.1686, 0.0000,  
0.1296


 79.6401, 0.2323,  
0.3276


 79.6401, 0.2323,  
0.3276


 78.7079, 0.2279,  
0.3274


 80.9919, 0.2386,  
0.3278

 78.1343, 0.2253,  
0.3272

 82.7980, 0.2470,  
0.3280

 77.8398, 0.2242,  
0.3271

 85.0996, 0.2572,  
0.3282

 87.9307, 0.2691,  
0.3284

91.3225, 0.2824,  
0.3286

95.3036, 0.2970,  
0.3288

99.9009, 0.3124,  
0.3290

99.9990, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.6401, 0.2680, 0.3806



79.6401, 0.2323, 0.3276



79.6401, 0.2175, 0.2810

# Triad

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



79.6401, 0.2323, 0.3276



79.6401, 0.3005, 0.2569



79.6401, 0.4059, 0.4008

# Complementary

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



79.6401, 0.2323, 0.3276



27.0922, 0.5513, 0.3305

# 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.



79.6401, 0.4182, 0.3631



79.6401, 0.2323, 0.3276



79.6401, 0.3545, 0.2840

# Square

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



79.6401, 0.2323, 0.3276



79.6401, 0.2542, 0.2454



79.6401, 0.3991, 0.3216



79.6401, 0.3683, 0.4233



# Rectangle

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



79.6401, 0.2323, 0.3276



79.6401, 0.2202, 0.2599



79.6401, 0.3991, 0.3216



79.6401, 0.4133, 0.3893

# Sweetspot

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



79.6431, 0.2323, 0.3276



91.0326, 0.2813, 0.3286



73.5714, 0.3021, 0.5550



19.2747, 0.2775, 0.3285



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.



79.6431, 0.2323, 0.3276



78.4597, 0.2267, 0.3273



35.8554, 0.2033, 0.2108



20.4634, 0.2980, 0.3288



40.6865, 0.2242, 0.3271



3.9668, 0.2243, 0.3273



# Inverse Universe

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



33.5892, 0.3209, 0.1747



29.9766, 0.3218, 0.1611



48.8774, 0.4742, 0.4132



18.2986, 0.3139, 0.3057



14.8353, 0.3223, 0.1549

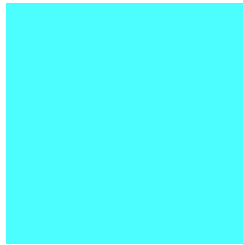


1.4450, 0.3221, 0.1548



# Previews

## White Background



This preview shows how the Yxy color 79.6401, 0.2323, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

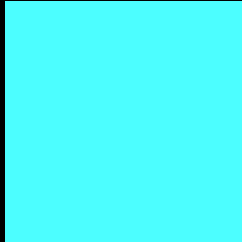
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6401, 0.2323, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

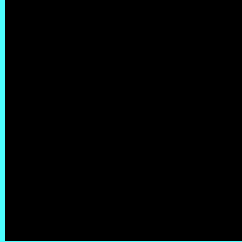
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.6401, 0.2323, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.6401, 0.2323, 0.3276.

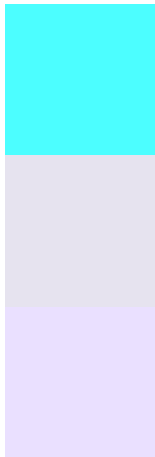


This preview shows how white text looks on a background with the Yxy color 79.6401, 0.2323, 0.3276.

# 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

79.6401, 0.2323, 0.3276

### Protanopia

77.9932, 0.3071, 0.3165

### Deuteranopia

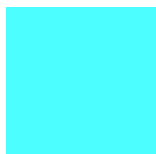
78.0237, 0.2999, 0.2976



## Tritanopia

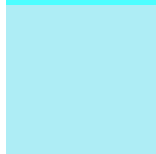
78.6168, 0.2604, 0.3144

# Trichromacy



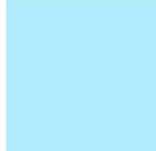
## Original Color

79.6401, 0.2323, 0.3276



## Protanomaly

76.1596, 0.2697, 0.3199



## Deuteranomaly

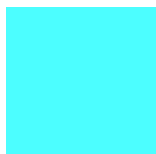
75.9838, 0.2660, 0.3068



## Tritanomaly

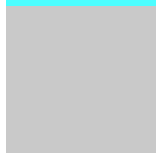
78.0371, 0.2470, 0.3185

# Monochromacy



## Original Color

79.6401, 0.2323, 0.3276



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

63.4748, 0.2702, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6401, 0.2323, 0.3276 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(76, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 254, 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(76, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6401, 0.2323, 0.3276 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(76, 254, 255) }
```

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

```
.border{ border-color:rgb(76, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 254,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6401, 0.2323, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 254, 255) }
```

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

```
.background{ background-color: rgb(76, 254,  
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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