

# Converting Colors

$Yxy(80.9799, 0.2426, 0.3398)$

Have a look what the booklet for  
Yxy(80.9799, 0.2426, 0.3398)  
contains.

<b>Yxy(80.9986, 0.2425, 0.3394)</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(80.9986, 0.2425, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFF6
RGB	102, 255, 246
RGB Percent	40%, 100%, 96%
CMY	0.6001, 0.0000, 0.0352
CMYK	0.60, 0.00, 0.04, 0.00
HSL	176°, 100%, 70%
HSV	176°, 60%, 100%
XYZ	57.8732, 80.9986, 99.7805
YIQ	208.2270, -88.2990, -35.2350

# Conversions

## Conversions Part 2

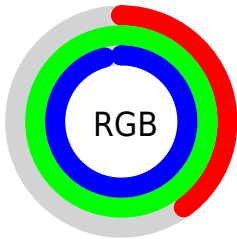
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 181, 255</a>
Decimal	<a href="#">6750198</a>
CIELab	<a href="#">92.13, -42.29, -7.83</a>
CIELCh	<a href="#">92, 43.012, 190.490</a>
Yxy	<a href="#">80.9986, 0.2425, 0.3394</a>
Android (android.graphics.Color)	<a href="#">4284940278</a> ( <a href="#">0xFF66FFF6</a> )
YUV	<a href="#">208.2270, 18.6221, -93.1611</a>
Hunter-Lab	<a href="#">89.9992, -42.7158, -2.7343</a>

# Details

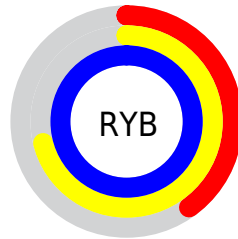
The Yxy color **80.9986, 0.2425, 0.3394** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.9065, 0.4916, 0.3211**, and the grayscale version is **63.1482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **44.1059, 0.2281, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **79.6393, 0.2366, 0.3414**, and if you desaturate by 10%, it is **82.8161, 0.2504, 0.3374**.

# Distribution



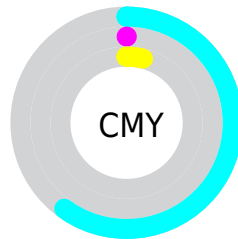
- Red (40%)
- Green (100%)
- Blue (96%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9986, 0.2425, 0.3394 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 80.9986, 0.2425, 0.3394 by changing the saturation by 10% instead.




 80.9986, 0.2425,  
0.3394


 80.9986, 0.2425,  
0.3394


498.2918, 0.2737,  
0.3354


 60.5404, 0.2357,  
0.3401


 134.7688, 0.2531,  
0.3382

 43.8544, 0.2274,  
0.3409


 168.8496, 0.2573,  
0.3376

 30.5561, 0.2172,  
0.3418


 208.2402, 0.2609,  
0.3372

 20.2610, 0.2043,  
0.3428

253.3248, 0.2641,  
0.3367

 12.5849, 0.1876,  
0.3436

304.4878, 0.2669,  
0.3364

 7.1434, 0.1650,  
0.3440

362.1138, 0.2694,

 3.5519, 0.1335,

0.3360

426.5870, 0.2717,  
0.3357

0.3430

1.4262, 0.0595,  
0.3476

0.2359, 0.0000,  
0.2268

80.9986, 0.2425,  
0.3394

80.9986, 0.2425,  
0.3394

79.6393, 0.2366,  
0.3414

82.8161, 0.2504,  
0.3374

78.6954, 0.2326,  
0.3434


85.1307, 0.2601,  
0.3355

78.1147, 0.2305,  
0.3453

87.9761, 0.2715,  
0.3337

77.8125, 0.2298,  
0.3473

91.3835, 0.2842,  
0.3320

 95.3815, 0.2981,  
0.3304

99.9968, 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.



80.9986, 0.2804, 0.3877



80.9986, 0.2425, 0.3394



80.9986, 0.2235, 0.2925

# Triad

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



80.9986, 0.2425, 0.3394



80.9986, 0.2902, 0.2564



80.9986, 0.4062, 0.3902

# Complementary

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



80.9986, 0.2425, 0.3394



31.9065, 0.4916, 0.3211

# 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.



80.9986, 0.4111, 0.3528



80.9986, 0.2425, 0.3394



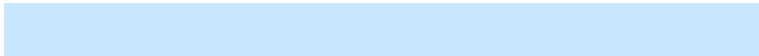
80.9986, 0.3409, 0.2792

# Square

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



80.9986, 0.2425, 0.3394



80.9986, 0.2492, 0.2494



80.9986, 0.3866, 0.3134



80.9986, 0.3754, 0.4155



# Rectangle

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



80.9986, 0.2425, 0.3394



80.9986, 0.2227, 0.2694



80.9986, 0.3866, 0.3134



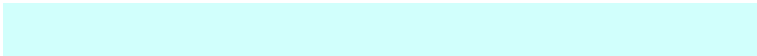
80.9986, 0.4111, 0.3785

# Sweetspot

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



80.9983, 0.2425, 0.3394



92.1374, 0.2869, 0.3317



75.9358, 0.3080, 0.5213



19.4888, 0.2830, 0.3322



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.



80.9983, 0.2425, 0.3394



79.4195, 0.2356, 0.3418



46.3069, 0.2201, 0.2446



20.4620, 0.2988, 0.3304



40.6667, 0.2297, 0.3470



3.9650, 0.2291, 0.3447



# Inverse Universe

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



31.9065, 0.4916, 0.3211



26.4295, 0.5479, 0.3214



50.3316, 0.4533, 0.3955



18.0044, 0.3285, 0.3276



11.1335, 0.6342, 0.3267

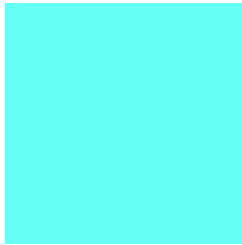


1.0898, 0.6204, 0.3192



# Previews

## White Background



This preview shows how the Yxy color 80.9986, 0.2425, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

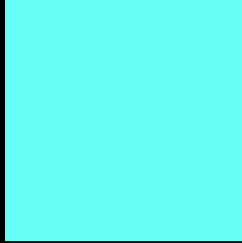
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9986, 0.2425, 0.3394 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 80.9986, 0.2425, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9986, 0.2425, 0.3394.

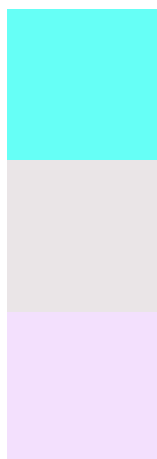


This preview shows how white text looks on a background with the Yxy color 80.9986, 0.2425, 0.3394.

# 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

80.9986, 0.2425, 0.3394

### Protanopia

79.3006, 0.3149, 0.3269

### Deuteranopia

79.4578, 0.3072, 0.3001



## Tritanopia

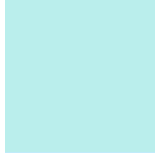
80.4351, 0.2660, 0.3157

# Trichromacy



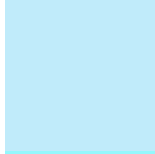
## Original Color

80.9986, 0.2425, 0.3394



## Protanomaly

77.6443, 0.2813, 0.3311



## Deuteranomaly

77.5253, 0.2770, 0.3126



## Tritanomaly

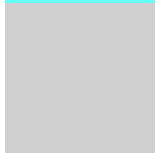
79.8457, 0.2552, 0.3232

# Monochromacy



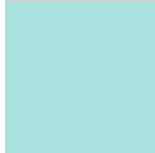
## Original Color

80.9986, 0.2425, 0.3394



## 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 80.9986, 0.2425, 0.3394 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9986, 0.2425, 0.3394 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, 246) }
```

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

```
.border{ border-color:rgb(102, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9986, 0.2425, 0.3394 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, 246) }
```

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

```
.background{ background-color: rgb(102,  
255, 246) }
```

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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