

Converting Colors

$Y_{xy}(88.1529, 0.2131, 0.2385)$

Have a look what the booklet for
Yxy(88.1529, 0.2131, 0.2385)
contains.

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Color

Yxy(80.8339, 0.2439, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	78FCFF
RGB	120, 252, 255
RGB Percent	47%, 99%, 100%
CMY	0.5296, 0.0117, 0.0000
CMYK	0.53, 0.01, 0.00, 0.00
HSL	181°, 100%, 74%
HSV	181°, 53%, 100%
XYZ	60.6068, 80.8339, 107.0496
YIQ	212.8740, -79.6350, -27.0510

Conversions

Conversions Part 2

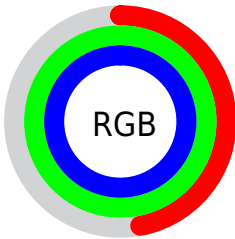
Format	Color
RYB	120, 187, 255
Decimal	7929087
CIELab	92.06, -35.41, -12.56
CIElCh	92, 37.570, 199.538
Yxy	80.8339, 0.2439, 0.3253
Android (android.graphics.Color)	4286119167 (0xFF78FCFF)
YUV	212.8740, 20.7681, -81.4505
Hunter-Lab	89.9077, -37.0115, -7.6590

Details

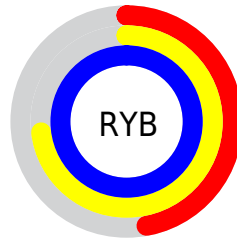
The Yxy color **80.8339, 0.2439, 0.3253** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.7706, 0.4675, 0.3324**, and the grayscale version is **66.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **43.7604, 0.2295, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **78.8934, 0.2359, 0.3246**, and if you desaturate by 10%, it is **83.2616, 0.2538, 0.3261**.

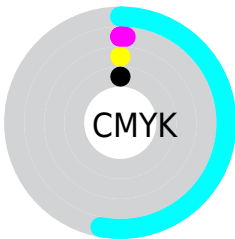
Distribution



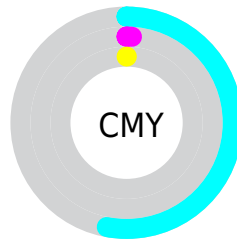
- Red (47%)
- Green (99%)
- Blue (100%)



- Red (47%)
- Yellow (73%)
- Blue (100%)



- Cyan (53%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8339, 0.2439, 0.3253 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 80.8339, 0.2439, 0.3253 by changing the saturation by 10% instead.

 80.8339, 0.2439,
0.3253


 80.8339, 0.2439,
0.3253


497.7387, 0.2744,
0.3278


 60.4048, 0.2373,
0.3246


 134.5375, 0.2542,
0.3263

 43.7450, 0.2292,
0.3236


 168.5808, 0.2583,
0.3267

 30.4701, 0.2194,
0.3222


 207.9310, 0.2619,
0.3270

 20.1957, 0.2069,
0.3201

252.9725, 0.2650,
0.3272

 12.5374, 0.1907,
0.3171

304.0896, 0.2677,
0.3274

 7.1108, 0.1690,
0.3120

361.6667, 0.2702,

 3.5315, 0.1389,

0.3276

0.3030

426.0883, 0.2724,
0.3277

■ 1.4151, 0.0825,
0.2888

■ 0.2278, 0.0000,
0.1671

■ 80.8339, 0.2439,
0.3253

■ 80.8339, 0.2439,
0.3253

■ 78.8934, 0.2359,
0.3246

■ 83.2616, 0.2538,
0.3261

■ 77.3994, 0.2299,
0.3238

■ 86.2103, 0.2654,
0.3268

■ 76.3066, 0.2259,
0.3231

■ 89.7123, 0.2785,
0.3275

■ 75.5596, 0.2236,
0.3224

■ 93.7971, 0.2928,
0.3282

75.1844, 0.2227,
0.3219

98.4918, 0.3081,
0.3288

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.



80.8339, 0.2732, 0.3683



80.8339, 0.2439, 0.3253



80.8339, 0.2325, 0.2874

Triad

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



80.8339, 0.2439, 0.3253



80.8339, 0.3062, 0.2695



80.8339, 0.3888, 0.3916

Complementary

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



80.8339, 0.2439, 0.3253



36.7706, 0.4675, 0.3324

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.



80.8339, 0.4001, 0.3612



80.8339, 0.2439, 0.3253



80.8339, 0.3507, 0.2934

Square

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



80.8339, 0.2439, 0.3253



80.8339, 0.2664, 0.2588



80.8339, 0.3861, 0.3260



80.8339, 0.3568, 0.4075

Rectangle

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



80.8339, 0.2439, 0.3253



80.8339, 0.2356, 0.2701



80.8339, 0.3861, 0.3260



80.8339, 0.3952, 0.3825

Sweetspot

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



80.8343, 0.2439, 0.3254



92.4902, 0.2884, 0.3280



76.9208, 0.3038, 0.4969



19.6143, 0.2854, 0.3279



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

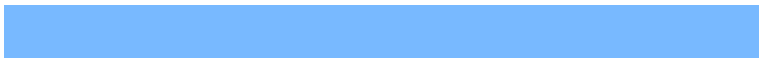
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8343, 0.2439, 0.3254



78.7172, 0.2352, 0.3245



46.0050, 0.2268, 0.2416



20.4082, 0.2980, 0.3284



39.3167, 0.2228, 0.3220



3.8492, 0.2230, 0.3228

Inverse Universe

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



41.7126, 0.3213, 0.2045



35.8687, 0.3229, 0.1853



59.3261, 0.4250, 0.4003



18.2930, 0.3142, 0.3061



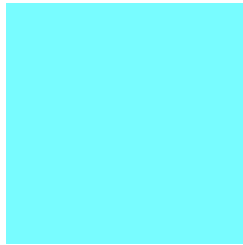
14.6970, 0.3265, 0.1572



1.4331, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 80.8339, 0.2439, 0.3253 looks on a white background.

Color Contrast Check

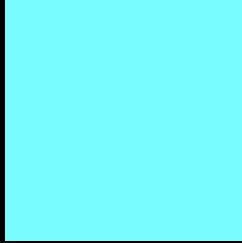
Large Text (above 18pt) WCAG AA × Fail

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 80.8339, 0.2439, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

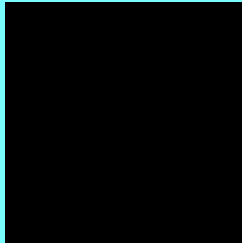
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8339, 0.2439, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 80.8339, 0.2439, 0.3253.

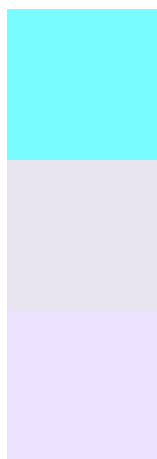


This preview shows how white text looks on a background with the Yxy color 80.8339, 0.2439, 0.3253.

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

80.8339, 0.2439, 0.3253

Protanopia

79.5453, 0.3072, 0.3166

Deuteranopia

79.6172, 0.3019, 0.2998



Tritanopia

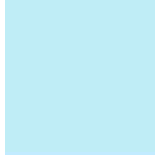
80.0714, 0.2669, 0.3146

Trichromacy



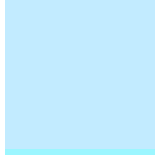
Original Color

80.8339, 0.2439, 0.3253



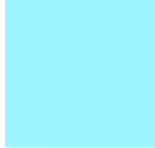
Protanomaly

78.2986, 0.2787, 0.3191



Deuteranomaly

78.1060, 0.2755, 0.3074



Tritanomaly

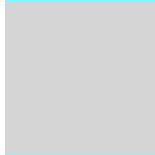
80.1995, 0.2572, 0.3188

Monochromacy



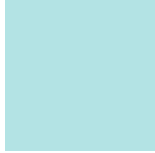
Original Color

80.8339, 0.2439, 0.3253



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.1233, 0.2807, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8339, 0.2439, 0.3253 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(120, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 252, 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(120, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8339, 0.2439, 0.3253 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(120, 252, 255) }
```

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

```
.border{ border-color:rgb(120, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8339, 0.2439, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 252, 255) }
```

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

```
.background{ background-color: rgb(120,  
252, 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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