

Converting Colors

$Y_{xy}(82.1290, 0.2374, 0.2993)$

Have a look what the booklet for
Yxy(82.1290, 0.2374, 0.2993)
contains.

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Color

Yxy(80.8036, 0.2466, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	80FBFF
RGB	128, 251, 255
RGB Percent	50%, 98%, 100%
CMY	0.4976, 0.0157, 0.0000
CMYK	0.50, 0.02, 0.00, 0.00
HSL	182°, 100%, 75%
HSV	182°, 50%, 100%
XYZ	61.4626, 80.8036, 106.9738
YIQ	214.6790, -74.5920, -24.8320

Conversions

Conversions Part 2

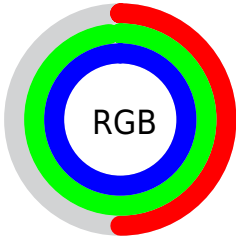
Format	Color
RYB	128, 190, 255
Decimal	8453119
CIELab	92.04, -33.33, -12.54
CIELCh	92, 35.614, 200.618
Yxy	80.8036, 0.2466, 0.3242
Android (android.graphics.Color)	4286643199 (0xFF80FBFF)
YUV	214.6790, 19.8783, -76.0175
Hunter-Lab	89.8908, -35.2601, -7.6340

Details

The Yxy color **80.8036, 0.2466, 0.3242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.3574, 0.4526, 0.3335**, and the grayscale version is **67.6469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **43.6849, 0.2325, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **78.5663, 0.2379, 0.3231**, and if you desaturate by 10%, it is **83.5446, 0.2572, 0.3253**.

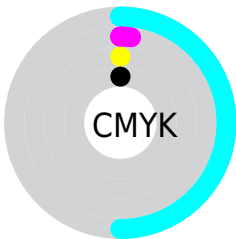
Distribution



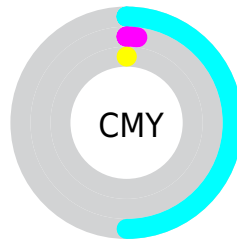
- Red (50%)
- Green (98%)
- Blue (100%)



- Red (50%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8036, 0.2466, 0.3242 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 80.8036, 0.2466, 0.3242 by changing the saturation by 10% instead.

 80.8036, 0.2466,
0.3242


 80.8036, 0.2466,
0.3242

497.6369, 0.2759,
0.3272

 60.3799, 0.2402,
0.3234


 134.4950, 0.2565,
0.3254

 43.7249, 0.2325,
0.3223

 168.5314, 0.2605,
0.3258

 30.4543, 0.2229,
0.3208


 207.8741, 0.2639,
0.3261

 20.1837, 0.2109,
0.3186

252.9076, 0.2669,
0.3264

 12.5286, 0.1952,
0.3154

304.0163, 0.2695,
0.3266

 7.1048, 0.1742,
0.3102

361.5844, 0.2719,

 3.5277, 0.1447,

0.3268

425.9965, 0.2740,
0.3270

0.3011

■ 1.4130, 0.0918,
0.2861

■ 0.2263, 0.0000,
0.1666

■ 80.8036, 0.2466,
0.3242

■ 80.8036, 0.2466,
0.3242

■ 78.5663, 0.2379,
0.3231

■ 83.5446, 0.2572,
0.3253

■ 76.7877, 0.2312,
0.3221

■ 86.8164, 0.2694,
0.3263

■ 75.4269, 0.2264,
0.3210

■ 90.6523, 0.2829,
0.3273

■ 74.4322, 0.2234,
0.3199

■ 95.0808, 0.2976,
0.3282

■ 73.7212, 0.2220,
0.3189

100.0000, 0.3127,
0.3290

■ 73.7054, 0.2219,
0.3189

Harmonies

Analogous

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



80.8036, 0.2740, 0.3648



80.8036, 0.2466, 0.3242



80.8036, 0.2363, 0.2886

Triad

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



80.8036, 0.2466, 0.3242



80.8036, 0.3082, 0.2729



80.8036, 0.3841, 0.3894

Complementary

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



80.8036, 0.2466, 0.3242



39.3574, 0.4526, 0.3335

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.



80.8036, 0.3956, 0.3611



80.8036, 0.2466, 0.3242



80.8036, 0.3502, 0.2962

Square

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



80.8036, 0.2466, 0.3242



80.8036, 0.2699, 0.2622



80.8036, 0.3831, 0.3276



80.8036, 0.3533, 0.4035

Rectangle

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



80.8036, 0.2466, 0.3242



80.8036, 0.2397, 0.2724



80.8036, 0.3831, 0.3276



80.8036, 0.3905, 0.3811

Sweetspot

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



80.8059, 0.2466, 0.3242



92.6846, 0.2898, 0.3277



77.7358, 0.3043, 0.4856



19.6421, 0.2867, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

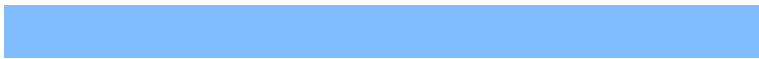
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8059, 0.2466, 0.3242



78.5183, 0.2377, 0.3231



48.4034, 0.2318, 0.2479



20.3771, 0.2980, 0.3282



38.5566, 0.2220, 0.3191



3.7838, 0.2223, 0.3202

Inverse Universe

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



43.6922, 0.3218, 0.2118



37.6752, 0.3237, 0.1927



61.2588, 0.4165, 0.3965



18.2899, 0.3143, 0.3063



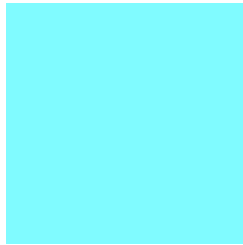
14.6203, 0.3290, 0.1586



1.4265, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 80.8036, 0.2466, 0.3242 looks on a white background.

Color Contrast Check

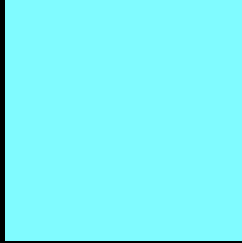
Large Text (above 18pt) WCAG AA × Fail

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 80.8036, 0.2466, 0.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

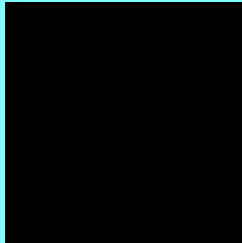
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8036, 0.2466, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 80.8036, 0.2466, 0.3242.

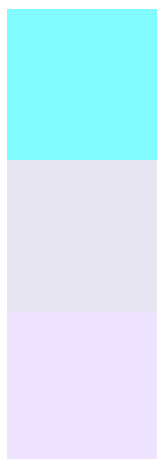


This preview shows how white text looks on a background with the Yxy color 80.8036, 0.2466, 0.3242.

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

80.8036, 0.2466, 0.3242

Protanopia

79.6052, 0.3066, 0.3156

Deuteranopia

79.6172, 0.3019, 0.2998



Tritanopia

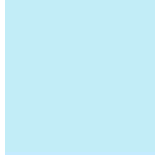
80.1892, 0.2675, 0.3147

Trichromacy



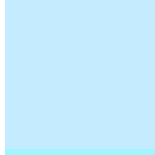
Original Color

80.8036, 0.2466, 0.3242



Protanomaly

78.7531, 0.2800, 0.3180



Deuteranomaly

78.5070, 0.2772, 0.3075



Tritanomaly

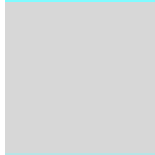
79.9984, 0.2589, 0.3177

Monochromacy



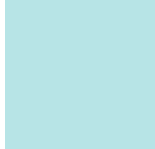
Original Color

80.8036, 0.2466, 0.3242



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.2673, 0.2821, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8036, 0.2466, 0.3242 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(128, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8036, 0.2466, 0.3242 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(128, 251, 255) }
```

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

```
.border{ border-color:rgb(128, 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(128, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8036, 0.2466, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 251, 255) }
```

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

```
.background{ background-color: rgb(128,  
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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