

Converting Colors

$Y_{xy}(81.7153, 0.2362, 0.3016)$

Have a look what the booklet for
Yxy(81.7153, 0.2362, 0.3016)
contains.

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Color

Yxy(80.3519, 0.2444, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	7AFBFF
RGB	122, 251, 255
RGB Percent	48%, 98%, 100%
CMY	0.5215, 0.0157, 0.0000
CMYK	0.52, 0.02, 0.00, 0.00
HSL	182°, 100%, 74%
HSV	182°, 52%, 100%
XYZ	60.5737, 80.3519, 106.9211
YIQ	212.8850, -78.1680, -26.1040

Conversions

Conversions Part 2

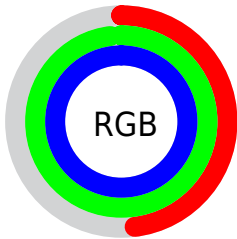
Format	Color
RYB	122, 187, 255
Decimal	8059903
CIELab	91.84, -34.56, -12.86
CIElCh	92, 36.872, 200.406
Yxy	80.3519, 0.2444, 0.3242
Android (android.graphics.Color)	4286249983 (0xFF7AFBFF)
YUV	212.8850, 20.7627, -79.7061
Hunter-Lab	89.6392, -36.2472, -7.9733

Details

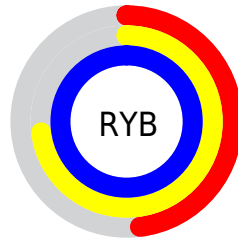
The Yxy color **80.3519, 0.2444, 0.3242** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.5895, 0.4632, 0.3335**, and the grayscale version is **66.3606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **43.4177, 0.2301, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **78.2535, 0.2362, 0.3232**, and if you desaturate by 10%, it is **82.9466, 0.2545, 0.3252**.

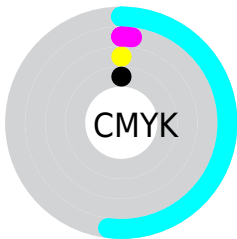
Distribution



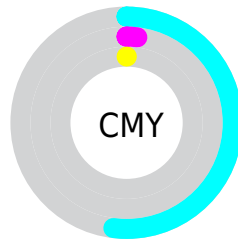
- Red (48%)
- Green (98%)
- Blue (100%)



- Red (48%)
- Yellow (73%)
- Blue (100%)



- Cyan (52%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3519, 0.2444, 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 80.3519, 0.2444, 0.3242 by changing the saturation by 10% instead.


 80.3519, 0.2444,
0.3242

 80.3519, 0.2444,
0.3242


496.1180, 0.2747,
0.3272

 60.0080, 0.2378,
0.3233

 133.8604, 0.2547,
0.3254

 43.4251, 0.2298,
0.3222


 167.7937, 0.2587,
0.3258

 30.2188, 0.2200,
0.3207


 207.0256, 0.2622,
0.3261

 20.0047, 0.2075,
0.3184


251.9406, 0.2653,
0.3264

 12.3985, 0.1914,
0.3151

302.9228, 0.2681,
0.3267

 7.0157, 0.1698,
0.3096

360.3569, 0.2705,

 3.4719, 0.1396,

0.3269

0.3000

424.6272, 0.2727,
0.3271

■ 1.3828, 0.0829,
0.2849

■ 0.2040, 0.0000,
0.1530

■ 80.3519, 0.2444,
0.3242

■ 80.3519, 0.2444,
0.3242

■ 78.2535, 0.2362,
0.3232

■ 82.9466, 0.2545,
0.3252

■ 76.6032, 0.2299,
0.3222

■ 86.0632, 0.2663,
0.3262

■ 75.3589, 0.2256,
0.3211

■ 89.7366, 0.2796,
0.3271

■ 74.4664, 0.2231,
0.3202

■ 93.9957, 0.2940,
0.3280

73.9485, 0.2221,
0.3194

98.8678, 0.3093,
0.3288

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



80.3519, 0.2728, 0.3665



80.3519, 0.2444, 0.3242



80.3519, 0.2337, 0.2872

Triad

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



80.3519, 0.2444, 0.3242



80.3519, 0.3076, 0.2709



80.3519, 0.3869, 0.3913

Complementary

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



80.3519, 0.2444, 0.3242



37.5895, 0.4632, 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.



80.3519, 0.3987, 0.3618



80.3519, 0.2444, 0.3242



80.3519, 0.3513, 0.2948

Square

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



80.3519, 0.2444, 0.3242



80.3519, 0.2681, 0.2599



80.3519, 0.3856, 0.3271



80.3519, 0.3550, 0.4063

Rectangle

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



80.3519, 0.2444, 0.3242



80.3519, 0.2371, 0.2705



80.3519, 0.3856, 0.3271



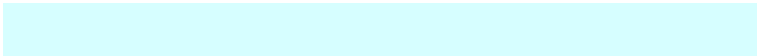
80.3519, 0.3934, 0.3826

Sweetspot

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



80.3550, 0.2444, 0.3242



92.2868, 0.2884, 0.3277



77.1183, 0.3039, 0.4941



19.5652, 0.2854, 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.



80.3550, 0.2444, 0.3242



78.0981, 0.2356, 0.3231



46.5990, 0.2281, 0.2432



20.3823, 0.2980, 0.3282



38.6824, 0.2221, 0.3196



3.7947, 0.2224, 0.3207

Inverse Universe

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



42.1479, 0.3221, 0.2069



36.2409, 0.3240, 0.1877



59.8061, 0.4229, 0.3994



18.2904, 0.3143, 0.3063



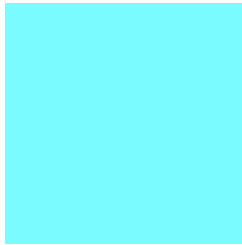
14.6330, 0.3286, 0.1584



1.4276, 0.3276, 0.1579

Previews

White Background



This preview shows how the Yxy color 80.3519, 0.2444, 0.3242 looks on a white background.

Color Contrast Check

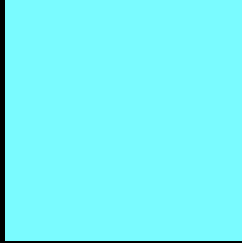
Large Text (above 18pt) WCAG AA × Fail

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 80.3519, 0.2444, 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

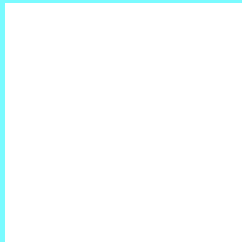
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3519, 0.2444, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 80.3519, 0.2444, 0.3242.

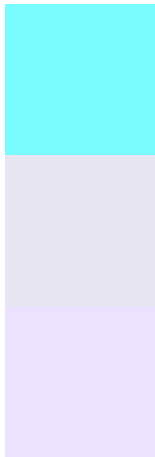


This preview shows how white text looks on a background with the Yxy color 80.3519, 0.2444, 0.3242.

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

80.3519, 0.2444, 0.3242

Protanopia

79.3784, 0.3065, 0.3166

Deuteranopia

78.9033, 0.3013, 0.2987



Tritanopia

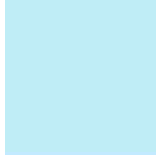
79.8382, 0.2659, 0.3146

Trichromacy



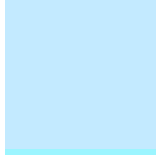
Original Color

80.3519, 0.2444, 0.3242



Protanomaly

78.2986, 0.2787, 0.3191



Deuteranomaly

77.6677, 0.2760, 0.3063



Tritanomaly

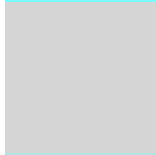
79.5927, 0.2571, 0.3176

Monochromacy



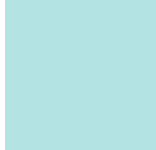
Original Color

80.3519, 0.2444, 0.3242



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.2429, 0.2813, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3519, 0.2444, 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(122, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.3519, 0.2444, 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(122, 251, 255) }
```

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

```
.border{ border-color:rgb(122, 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(122, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3519, 0.2444, 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(122, 251, 255) }
```

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

```
.background{ background-color: rgb(122,  
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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