

Converting Colors

$Y_{xy}(80.7129, 0.2444, 0.3249)$

Have a look what the booklet for
Yxy(80.7129, 0.2444, 0.3249)
contains.

Yxy(80.9784, 0.2446, 0.3254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.9784, 0.2446, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	7AFCFF
RGB	122, 252, 255
RGB Percent	48%, 99%, 100%
CMY	0.5220, 0.0117, 0.0001
CMYK	0.52, 0.01, 0.00, 0.00
HSL	181°, 100%, 74%
HSV	181°, 52%, 100%
XYZ	60.8707, 80.9784, 107.0089
YIQ	213.4720, -78.4430, -26.6270

Conversions

Conversions Part 2

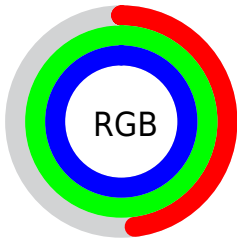
Format	Color
RYB	122, 188, 255
Decimal	8060159
CIELab	92.12, -35.06, -12.43
CIELCh	92, 37.198, 199.519
Yxy	80.9784, 0.2446, 0.3254
Android (android.graphics.Color)	4286250239 (0xFF7AFCFF)
YUV	213.4720, 20.4733, -80.2209
Hunter-Lab	89.9880, -36.7361, -7.5129

Details

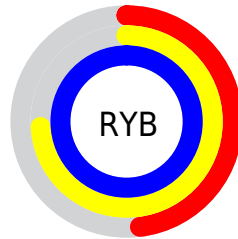
The Yxy color **80.9784, 0.2446, 0.3254** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.2854, 0.4641, 0.3324**, and the grayscale version is **66.7538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **43.8375, 0.2302, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **79.0049, 0.2365, 0.3246**, and if you desaturate by 10%, it is **83.4471, 0.2546, 0.3262**.

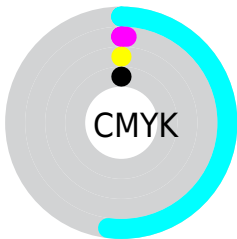
Distribution



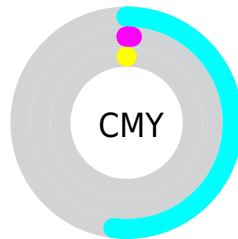
- Red (48%)
- Green (99%)
- Blue (100%)



- Red (48%)
- Yellow (74%)
- Blue (100%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9784, 0.2446, 0.3254 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 80.9784, 0.2446, 0.3254 by changing the saturation by 10% instead.


 80.9784, 0.2446,
0.3254

 80.9784, 0.2446,
0.3254


498.2240, 0.2748,
0.3278


 60.5238, 0.2380,
0.3247


 134.7404, 0.2548,
0.3264

 43.8410, 0.2301,
0.3237


 168.8167, 0.2589,
0.3267

 30.5455, 0.2203,
0.3223


 208.2023, 0.2624,
0.3270

 20.2530, 0.2079,
0.3204

253.2816, 0.2655,
0.3272

 12.5791, 0.1919,
0.3174

304.4390, 0.2682,
0.3274

 7.1394, 0.1704,
0.3125

362.0590, 0.2706,

 3.5494, 0.1405,

0.3276

0.3036

426.5258, 0.2728,
0.3277

■ 1.4248, 0.0853,
0.2896

■ 0.2349, 0.0000,
0.1716

■ 80.9784, 0.2446,
0.3254

■ 80.9784, 0.2446,
0.3254

■ 79.0049, 0.2365,
0.3246

■ 83.4471, 0.2546,
0.3262

■ 77.4783, 0.2303,
0.3239

■ 86.4367, 0.2663,
0.3269

■ 76.3565, 0.2261,
0.3231

■ 89.9817, 0.2796,
0.3276

■ 75.5852, 0.2237,
0.3224

■ 94.1115, 0.2940,
0.3283

75.1636, 0.2227,
0.3218

98.8531, 0.3093,
0.3289

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



80.9784, 0.2736, 0.3679



80.9784, 0.2446, 0.3254



80.9784, 0.2332, 0.2879

Triad

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



80.9784, 0.2446, 0.3254



80.9784, 0.3063, 0.2700



80.9784, 0.3880, 0.3909

Complementary

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



80.9784, 0.2446, 0.3254



37.2854, 0.4641, 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.



80.9784, 0.3992, 0.3609



80.9784, 0.2446, 0.3254



80.9784, 0.3503, 0.2938

Square

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



80.9784, 0.2446, 0.3254



80.9784, 0.2668, 0.2594



80.9784, 0.3853, 0.3261



80.9784, 0.3564, 0.4066

Rectangle

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



80.9784, 0.2446, 0.3254



80.9784, 0.2364, 0.2707



80.9784, 0.3853, 0.3261



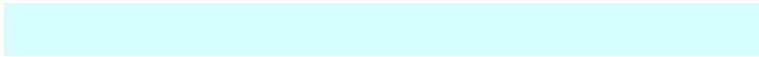
80.9784, 0.3944, 0.3820

Sweetspot

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



80.9815, 0.2446, 0.3254



92.4894, 0.2884, 0.3280



77.0924, 0.3039, 0.4942



19.6141, 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.



80.9815, 0.2446, 0.3254



78.8825, 0.2359, 0.3246



46.5557, 0.2280, 0.2431



20.4081, 0.2980, 0.3284



39.3140, 0.2228, 0.3220



3.8490, 0.2230, 0.3228

Inverse Universe

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



42.1764, 0.3212, 0.2060



36.3201, 0.3228, 0.1868



59.7670, 0.4230, 0.3994



18.2930, 0.3142, 0.3061



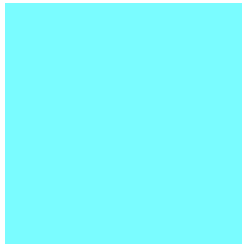
14.6967, 0.3265, 0.1573



1.4331, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 80.9784, 0.2446, 0.3254 looks on a white background.

Color Contrast Check

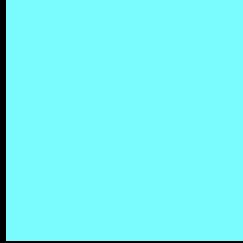
Large Text (above 18pt) WCAG AA × Fail

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 80.9784, 0.2446, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

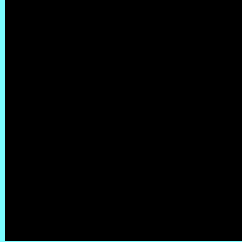
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9784, 0.2446, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 80.9784, 0.2446, 0.3254.

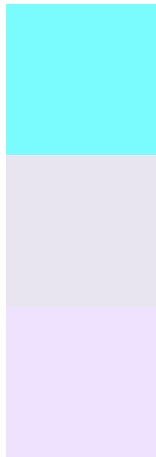


This preview shows how white text looks on a background with the Yxy color 80.9784, 0.2446, 0.3254.

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

80.9784, 0.2446, 0.3254

Protanopia

79.5453, 0.3072, 0.3166

Deuteranopia

79.7899, 0.3026, 0.2999



Tritanopia

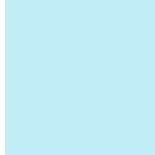
80.1892, 0.2675, 0.3147

Trichromacy



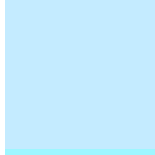
Original Color

80.9784, 0.2446, 0.3254



Protanomaly

78.4287, 0.2793, 0.3191



Deuteranomaly

78.3724, 0.2767, 0.3074



Tritanomaly

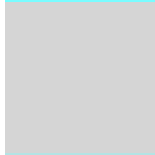
80.4006, 0.2582, 0.3188

Monochromacy



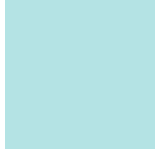
Original Color

80.9784, 0.2446, 0.3254



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 80.9784, 0.2446, 0.3254 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.9784, 0.2446, 0.3254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

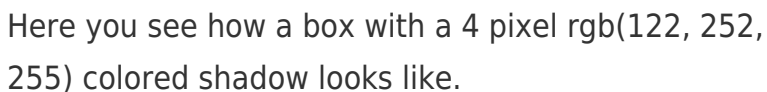
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(122, 252, 255) }
```

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

```
.border{ border-color:rgb(122, 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(122, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 252, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 252, 255); box-shadow:4px 4px 4px 4px rgb(122, 252, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9784, 0.2446, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 252, 255) }
```

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

```
.background{ background-color: rgb(122,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor