

Converting Colors

$Y_{xy}(85.4294, 0.2274, 0.2698)$

Have a look what the booklet for
Yxy(85.4294, 0.2274, 0.2698)
contains.

Yxy(81.6661, 0.2479, 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(81.6661, 0.2479, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	83FCFF
RGB	131, 252, 255
RGB Percent	51%, 99%, 100%
CMY	0.4864, 0.0117, 0.0000
CMYK	0.49, 0.01, 0.00, 0.00
HSL	181°, 100%, 76%
HSV	181°, 49%, 100%
XYZ	62.2158, 81.6661, 107.0895
YIQ	216.1630, -73.0790, -24.7190

Conversions

Conversions Part 2

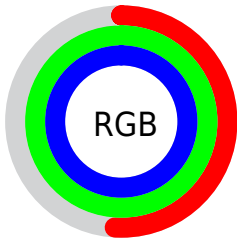
Format	Color
RYB	131, 192, 255
Decimal	8649983
CIELab	92.43, -33.22, -11.95
CIElCh	92, 35.309, 199.786
Yxy	81.6661, 0.2479, 0.3254
Android (android.graphics.Color)	4286840063 (0xFF83FCFF)
YUV	216.1630, 19.1466, -74.6880
Hunter-Lab	90.3693, -35.2558, -7.0014

Details

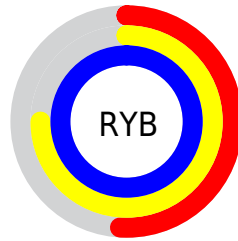
The Yxy color **81.6661, 0.2479, 0.3254** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.9362, 0.4483, 0.3325**, and the grayscale version is **68.6870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **44.3007, 0.2344, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **79.4927, 0.2391, 0.3246**, and if you desaturate by 10%, it is **84.3479, 0.2586, 0.3262**.

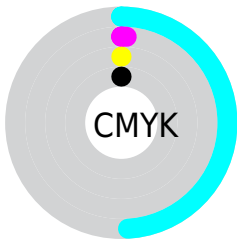
Distribution



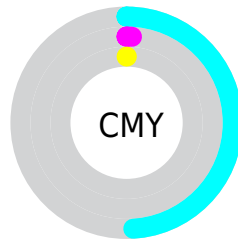
- Red (51%)
- Green (99%)
- Blue (100%)



- Red (51%)
- Yellow (75%)
- Blue (100%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6661, 0.2479, 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 81.6661, 0.2479, 0.3254 by changing the saturation by 10% instead.


 81.6661, 0.2479,
0.3254


 81.6661, 0.2479,
0.3254


500.5301, 0.2766,
0.3278


 61.0903, 0.2416,
0.3247


 135.7057, 0.2576,
0.3263

 44.2981, 0.2341,
0.3238


 169.9383, 0.2615,
0.3267

 30.9049, 0.2247,
0.3225


 209.4919, 0.2648,
0.3269

 20.5265, 0.2130,
0.3207

254.7511, 0.2678,
0.3272

 12.7783, 0.1976,
0.3179

306.1000, 0.2704,
0.3274

 7.2761, 0.1770,
0.3133

363.9233, 0.2727,

 3.6353, 0.1482,

0.3275

428.6052, 0.2747,
0.3277

0.3052

1.4717, 0.0983,
0.2913

0.2687, 0.0000,
0.1911

81.6661, 0.2479,
0.3254

81.6661, 0.2479,
0.3254

79.4927, 0.2391,
0.3246

84.3479, 0.2586,
0.3262

77.7809, 0.2322,
0.3238

87.5624, 0.2709,
0.3270

76.4911, 0.2273,
0.3229

91.3433, 0.2846,
0.3277

75.5728, 0.2242,
0.3221

95.7192, 0.2993,
0.3284

■ 74.9539, 0.2227,
0.3214

99.9999, 0.3127,
0.3290

■ 74.8799, 0.2226,
0.3213

Harmonies

Analogous

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



81.6661, 0.2754, 0.3654



81.6661, 0.2479, 0.3254



81.6661, 0.2372, 0.2899

Triad

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



81.6661, 0.2479, 0.3254



81.6661, 0.3071, 0.2730



81.6661, 0.3839, 0.3881

Complementary

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



81.6661, 0.2479, 0.3254



39.9362, 0.4483, 0.3325

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.



81.6661, 0.3946, 0.3599



81.6661, 0.2479, 0.3254



81.6661, 0.3486, 0.2958

Square

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



81.6661, 0.2479, 0.3254



81.6661, 0.2695, 0.2629



81.6661, 0.3816, 0.3267



81.6661, 0.3539, 0.4025

Rectangle

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



81.6661, 0.2479, 0.3254



81.6661, 0.2402, 0.2736



81.6661, 0.3816, 0.3267



81.6661, 0.3900, 0.3798

Sweetspot

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



81.6693, 0.2479, 0.3254



92.8665, 0.2898, 0.3280



78.0366, 0.3045, 0.4816



19.6865, 0.2868, 0.3278



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

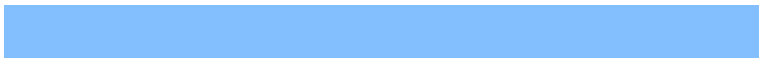
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6693, 0.2479, 0.3254



79.6183, 0.2396, 0.3246



49.2678, 0.2336, 0.2501



20.4018, 0.2980, 0.3284



39.1606, 0.2226, 0.3214



3.8358, 0.2229, 0.3223

Inverse Universe

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



44.5127, 0.3208, 0.2134



38.7887, 0.3223, 0.1954



61.9506, 0.4136, 0.3951



18.2924, 0.3142, 0.3061



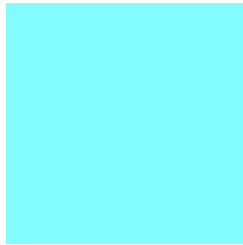
14.6813, 0.3270, 0.1575



1.4318, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 81.6661, 0.2479, 0.3254 looks on a white background.

Color Contrast Check

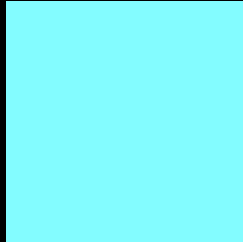
Large Text (above 18pt) WCAG AA × Fail

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 81.6661, 0.2479, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

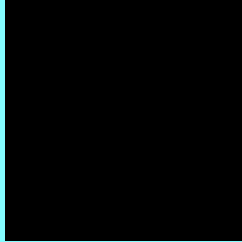
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

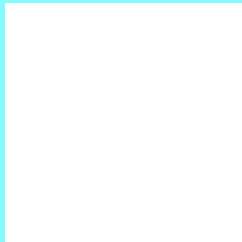
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6661, 0.2479, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 81.6661, 0.2479, 0.3254.

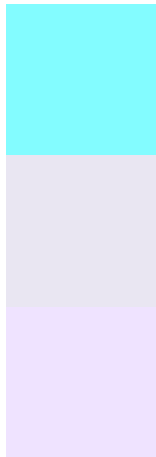


This preview shows how white text looks on a background with the Yxy color 81.6661, 0.2479, 0.3254.

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

81.6661, 0.2479, 0.3254

Protanopia

80.3281, 0.3072, 0.3167

Deuteranopia

80.5089, 0.3032, 0.3010



Tritanopia

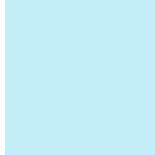
81.3885, 0.2702, 0.3159

Trichromacy



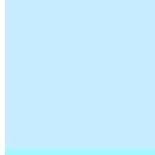
Original Color

81.6661, 0.2479, 0.3254



Protanomaly

79.6002, 0.2812, 0.3192



Deuteranomaly

79.4903, 0.2791, 0.3087



Tritanomaly

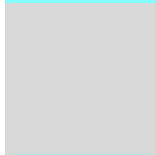
81.0240, 0.2610, 0.3189

Monochromacy



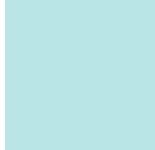
Original Color

81.6661, 0.2479, 0.3254



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.0661, 0.2834, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6661, 0.2479, 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(131, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.6661, 0.2479, 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(131, 252, 255) }
```

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

```
.border{ border-color:rgb(131, 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(131, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6661, 0.2479, 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(131, 252, 255) }
```

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

```
.background{ background-color: rgb(131,  
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