

Converting Colors

$Yxy(87.4082, 0.2235, 0.2593)$

Have a look what the booklet for
Yxy(87.4082, 0.2235, 0.2593)
contains.

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Color

Yxy(82.2959, 0.2481, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	83FDFF
RGB	131, 253, 255
RGB Percent	51%, 99%, 100%
CMY	0.4864, 0.0078, 0.0000
CMYK	0.49, 0.01, 0.00, 0.00
HSL	181°, 100%, 76%
HSV	181°, 49%, 100%
XYZ	62.5348, 82.2959, 107.2241
YIQ	216.7500, -73.3540, -25.2420

Conversions

Conversions Part 2

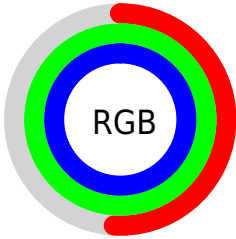
Format	Color
RYB	131, 192, 255
Decimal	8650239
CIELab	92.71, -33.68, -11.56
CIELCh	93, 35.610, 198.937
Yxy	82.2959, 0.2481, 0.3265
Android (android.graphics.Color)	4286840319 (0xFF83FDFF)
YUV	216.7500, 18.8573, -75.2027
Hunter-Lab	90.7171, -35.7079, -6.5765

Details

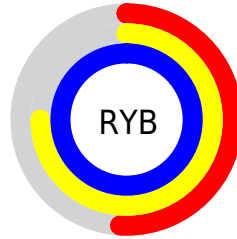
The Yxy color **82.2959, 0.2481, 0.3265** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.6612, 0.4489, 0.3314**, and the grayscale version is **69.1084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **44.7153, 0.2345, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **80.2473, 0.2394, 0.3260**, and if you desaturate by 10%, it is **84.8478, 0.2587, 0.3271**.

Distribution



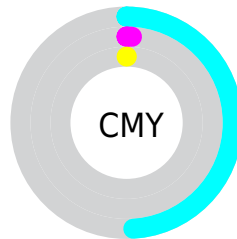
- Red (51%)
- Green (99%)
- Blue (100%)



- 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 82.2959, 0.2481, 0.3265 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 82.2959, 0.2481, 0.3265 by changing the saturation by 10% instead.

 82.2959, 0.2481,
0.3265


 82.2959, 0.2481,
0.3265


502.6369, 0.2767,
0.3284


 61.6095, 0.2419,
0.3259

 136.5889, 0.2578,
0.3273

 44.7172, 0.2344,
0.3251


 170.9642, 0.2616,
0.3275

 31.2347, 0.2251,
0.3241


 210.6713, 0.2649,
0.3277

 20.7777, 0.2133,
0.3225

256.0945, 0.2679,
0.3279

 12.9616, 0.1981,
0.3200

307.6183, 0.2705,
0.3281

 7.4021, 0.1777,
0.3159

365.6271, 0.2728,

 3.7148, 0.1491,

0.3282

0.3085

430.5051, 0.2748,
0.3283

■ 1.5153, 0.1004,
0.2956

■ 0.2995, 0.0000,
0.2075

■ 82.2959, 0.2481,
0.3265

■ 82.2959, 0.2481,
0.3265

■ 80.2473, 0.2394,
0.3260

■ 84.8478, 0.2587,
0.3271

■ 78.6618, 0.2326,
0.3254

■ 87.9339, 0.2709,
0.3276

■ 77.4976, 0.2278,
0.3249

■ 91.5858, 0.2846,
0.3281

■ 76.7043, 0.2248,
0.3244

■ 95.8318, 0.2993,
0.3286

■ 76.2096, 0.2234,
0.3238

100.0000, 0.3127,
0.3290

■ 76.1525, 0.2233,
0.3238

Harmonies

Analogous

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



82.2959, 0.2762, 0.3667



82.2959, 0.2481, 0.3265



82.2959, 0.2368, 0.2905

Triad

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



82.2959, 0.2481, 0.3265



82.2959, 0.3059, 0.2723



82.2959, 0.3849, 0.3878

Complementary

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



82.2959, 0.2481, 0.3265



39.6612, 0.4489, 0.3314

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.



82.2959, 0.3950, 0.3591



82.2959, 0.2481, 0.3265



82.2959, 0.3477, 0.2948

Square

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



82.2959, 0.2481, 0.3265



82.2959, 0.2684, 0.2625



82.2959, 0.3813, 0.3257



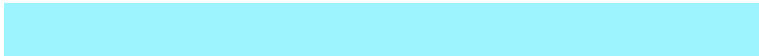
82.2959, 0.3552, 0.4028

Rectangle

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



82.2959, 0.2481, 0.3265



82.2959, 0.2395, 0.2739



82.2959, 0.3813, 0.3257



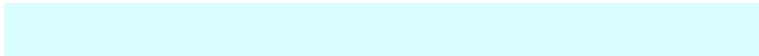
82.2959, 0.3908, 0.3792

Sweetspot

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



82.2969, 0.2481, 0.3265



93.0618, 0.2898, 0.3283



77.9801, 0.3054, 0.4840



19.7341, 0.2868, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

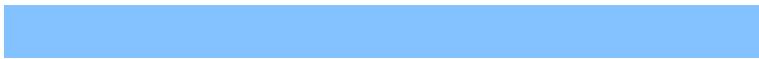
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2969, 0.2481, 0.3265



80.3645, 0.2399, 0.3260



50.1744, 0.2341, 0.2528



20.4284, 0.2980, 0.3286



39.8142, 0.2233, 0.3239



3.8920, 0.2235, 0.3244

Inverse Universe

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



44.5752, 0.3200, 0.2126



38.8641, 0.3213, 0.1945



61.0297, 0.4147, 0.3930



18.2951, 0.3141, 0.3060



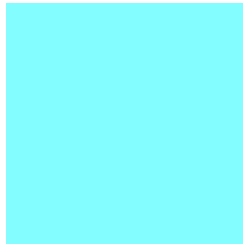
14.7472, 0.3250, 0.1564



1.4374, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 82.2959, 0.2481, 0.3265 looks on a white background.

Color Contrast Check

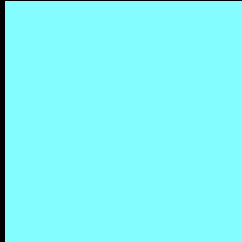
Large Text (above 18pt) WCAG AA × Fail

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 82.2959, 0.2481, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

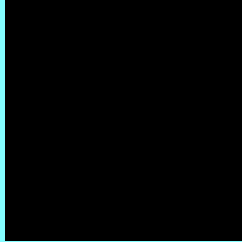
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.2959, 0.2481, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 82.2959, 0.2481, 0.3265.

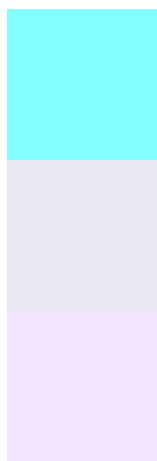


This preview shows how white text looks on a background with the Yxy color 82.2959, 0.2481, 0.3265.

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

82.2959, 0.2481, 0.3265

Protanopia

81.0551, 0.3079, 0.3177

Deuteranopia

81.2321, 0.3039, 0.3020



Tritanopia

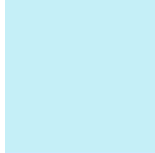
81.7603, 0.2718, 0.3159

Trichromacy



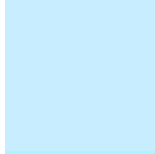
Original Color

82.2959, 0.2481, 0.3265



Protanomaly

80.3187, 0.2819, 0.3203



Deuteranomaly

80.0677, 0.2791, 0.3098



Tritanomaly

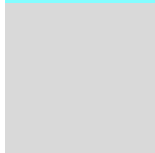
81.8485, 0.2621, 0.3200

Monochromacy



Original Color

82.2959, 0.2481, 0.3265



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.8023, 0.2835, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2959, 0.2481, 0.3265 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 253, 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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2959, 0.2481, 0.3265 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, 253, 255) }
```

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

```
.border{ border-color:rgb(131, 253, 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, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2959, 0.2481, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 253, 255) }
```

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

```
.background{ background-color: rgb(131,  
253, 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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