

Converting Colors

$Y_{xy}(82.9670, 0.2545, 0.3300)$

Have a look what the booklet for
Yxy(82.9670, 0.2545, 0.3300)
contains.

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Color

Yxy(83.2081, 0.2546, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	90FDFC
RGB	144, 253, 252
RGB Percent	56%, 99%, 99%
CMY	0.4352, 0.0078, 0.0119
CMYK	0.43, 0.00, 0.00, 0.01
HSL	179°, 96%, 78%
HSV	179°, 43%, 99%
XYZ	64.1963, 83.2081, 104.7413
YIQ	220.2950, -64.6430, -23.4190

Conversions

Conversions Part 2

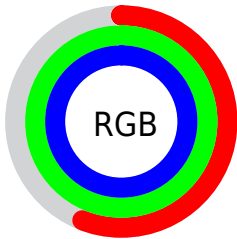
Format	Color
RYB	144, 199, 253
Decimal	9502204
CIELab	93.11, -31.59, -9.32
CIELCh	93, 32.935, 196.435
Yxy	83.2081, 0.2546, 0.3300
Android (android.graphics.Color)	4287692284 (0xFF90DFC)
YUV	220.2950, 15.6306, -66.9107
Hunter-Lab	91.2185, -34.0104, -4.2266

Details

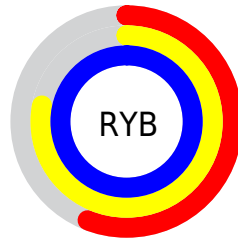
The Yxy color **83.2081, 0.2546, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.8862, 0.4256, 0.3282**, and the grayscale version is **71.7148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **45.3048, 0.2424, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **81.1668, 0.2451, 0.3303**, and if you desaturate by 10%, it is **85.7663, 0.2659, 0.3297**.

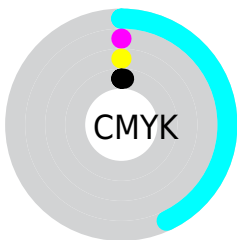
Distribution



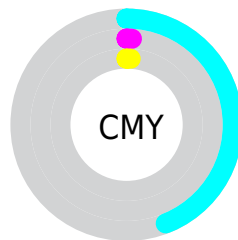
- Red (56%)
- Green (99%)
- Blue (99%)



- Red (56%)
- Yellow (78%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (44%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2081, 0.2546, 0.3300 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 83.2081, 0.2546, 0.3300 by changing the saturation by 10% instead.


 83.2081, 0.2546,
0.3300


 83.2081, 0.2546,
0.3300


505.6798, 0.2804,
0.3301

 62.3618, 0.2490,
0.3299

 137.8669, 0.2633,
0.3301

 45.3251, 0.2422,
0.3296


 172.4482, 0.2668,
0.3302

 31.7136, 0.2337,
0.3292


212.3766, 0.2698,
0.3302

 21.1428, 0.2231,
0.3285

258.0366, 0.2724,
0.3302

 13.2285, 0.2092,
0.3274

309.8125, 0.2748,
0.3302

 7.5860, 0.1904,
0.3252

368.0888, 0.2768,

 3.8312, 0.1637,

0.3302

0.3210

433.2497, 0.2787,
0.3301

■ 1.5796, 0.1203,
0.3125

■ 0.3438, 0.0000,
0.2508

■ 83.2081, 0.2546,
0.3300

■ 83.2081, 0.2546,
0.3300

■ 81.1668, 0.2451,
0.3303

■ 85.7663, 0.2659,
0.3297

■ 79.5983, 0.2374,
0.3306

■ 88.8631, 0.2788,
0.3295

■ 78.4670, 0.2318,
0.3309

■ 92.5304, 0.2929,
0.3293

■ 77.7280, 0.2281,
0.3312

■ 96.7951, 0.3079,
0.3291

■ 77.3270, 0.2261,
0.3315

■ 98.6160, 0.3139,
0.3288

■ 77.1923, 0.2255,
0.3317

■ 98.6314, 0.3137,
0.3286

■ 98.6468, 0.3136,
0.3284

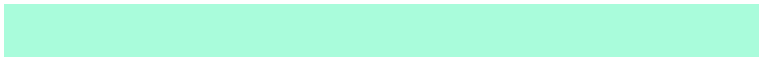
■ 98.6623, 0.3134,
0.3282

■ 98.6777, 0.3133,
0.3279

Harmonies

Analogous

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



83.2081, 0.2818, 0.3664



83.2081, 0.2546, 0.3300



83.2081, 0.2426, 0.2961

Triad

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



83.2081, 0.2546, 0.3300



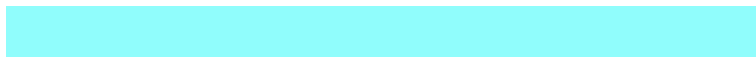
83.2081, 0.3033, 0.2751



83.2081, 0.3809, 0.3816

Complementary

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



83.2081, 0.2546, 0.3300



42.8862, 0.4256, 0.3282

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.



83.2081, 0.3883, 0.3547



83.2081, 0.2546, 0.3300



83.2081, 0.3420, 0.2953

Square

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



83.2081, 0.2546, 0.3300



83.2081, 0.2693, 0.2672



83.2081, 0.3738, 0.3236



83.2081, 0.3549, 0.3965

Rectangle

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



83.2081, 0.2546, 0.3300



83.2081, 0.2442, 0.2798



83.2081, 0.3738, 0.3236



83.2081, 0.3857, 0.3736

Sweetspot

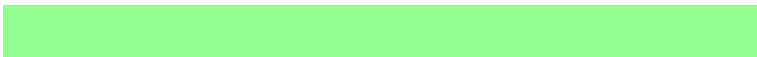
The Sweet Spot groups the original color and five complimentary colors.



83.2114, 0.2546, 0.3300



94.2256, 0.2930, 0.3293



78.3649, 0.3074, 0.4633



19.9805, 0.2897, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

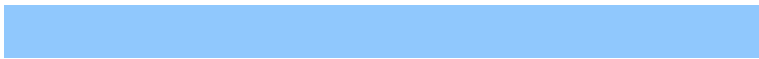
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2114, 0.2546, 0.3300



82.8256, 0.2460, 0.3303



54.4879, 0.2434, 0.2654



20.4783, 0.2981, 0.3292



41.0633, 0.2255, 0.3316



3.9991, 0.2254, 0.3313

Inverse Universe

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



42.8862, 0.4256, 0.3282



36.7243, 0.4635, 0.3282



62.6953, 0.4010, 0.3842



17.9899, 0.3293, 0.3288



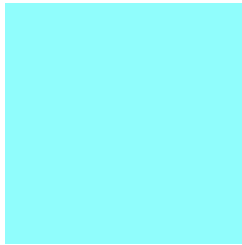
11.1128, 0.6391, 0.3294



1.0830, 0.6368, 0.3282

Previews

White Background



This preview shows how the Yxy color 83.2081, 0.2546, 0.3300 looks on a white background.

Color Contrast Check

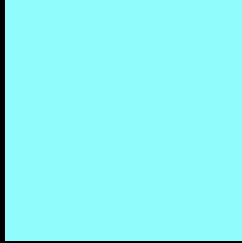
Large Text (above 18pt) WCAG AA × Fail

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 83.2081, 0.2546, 0.3300 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 83.2081, 0.2546, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.2081, 0.2546, 0.3300.

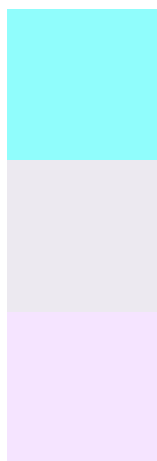


This preview shows how white text looks on a background with the Yxy color 83.2081, 0.2546, 0.3300.

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

83.2081, 0.2546, 0.3300

Protanopia

82.4020, 0.3104, 0.3219

Deuteranopia

82.1193, 0.3072, 0.3023



Tritanopia

82.5277, 0.2751, 0.3161

Trichromacy



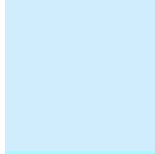
Original Color

83.2081, 0.2546, 0.3300



Protanomaly

81.5483, 0.2871, 0.3246



Deuteranomaly

81.1340, 0.2844, 0.3111



Tritanomaly

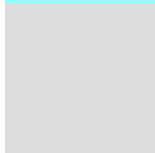
82.7912, 0.2671, 0.3212

Monochromacy



Original Color

83.2081, 0.2546, 0.3300



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.7459, 0.2867, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2081, 0.2546, 0.3300 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(144, 253, 252)` looks like.

```
.text, #text, p{  
    color:rgb(144, 253, 252)  
}
```

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(144, 253, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 253, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.2081, 0.2546, 0.3300 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(144, 253, 252) }
```

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

```
.border{ border-color:rgb(144, 253, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(144, 253, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 253, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 253, 252);  
box-shadow:4px 4px 4px 4px rgb(144, 253,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2081, 0.2546, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 253, 252) }
```

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

```
.background{ background-color: rgb(144,  
253, 252) }
```

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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