

Converting Colors

$Yxy(84.2368, 0.2629, 0.3378)$

Have a look what the booklet for
Yxy(84.2368, 0.2629, 0.3378)
contains.

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Color

Yxy(83.9111, 0.2630, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	9CFDF5
RGB	156, 253, 245
RGB Percent	61%, 99%, 96%
CMY	0.3880, 0.0079, 0.0391
CMYK	0.38, 0.00, 0.03, 0.01
HSL	175°, 96%, 80%
HSV	175°, 38%, 99%
XYZ	65.3304, 83.9111, 99.1631
YIQ	223.0850, -55.2440, -23.0520

Conversions

Conversions Part 2

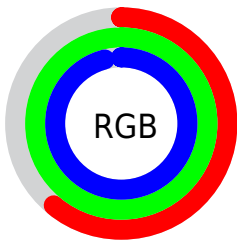
Format	Color
R _Y B	156, 207, 253
Decimal	10288629
CIE Lab	93.41, -30.34, -5.22
CIE LCh	93, 30.788, 189.764
Yxy	83.9111, 0.2630, 0.3378
Android (android.graphics.Color)	4288478709 (0xFF9CFDF5)
YUV	223.0850, 10.8041, -58.8335
Hunter-Lab	91.6030, -33.0007, -0.0612

Details

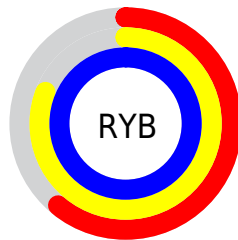
The Yxy color **83.9111, 0.2630, 0.3378** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3635, 0.4004, 0.3208**, and the grayscale version is **73.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **45.8066, 0.2523, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **81.5203, 0.2532, 0.3405**, and if you desaturate by 10%, it is **86.8356, 0.2744, 0.3353**.

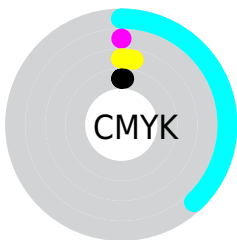
Distribution



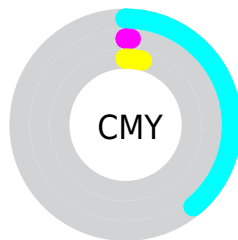
- Red (61%)
- Green (99%)
- Blue (96%)



- Red (61%)
- Yellow (81%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (39%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9111, 0.2630, 0.3378 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 83.9111, 0.2630, 0.3378 by changing the saturation by 10% instead.

 83.9111, 0.2630,
0.3378


 83.9111, 0.2630,
0.3378


508.0180, 0.2852,
0.3342

 62.9420, 0.2581,
0.3385


 138.8508, 0.2705,
0.3366

 45.7943, 0.2522,
0.3394


 173.5903, 0.2735,
0.3361

 32.0835, 0.2449,
0.3404


213.6886, 0.2761,
0.3357

 21.4253, 0.2356,
0.3416

259.5303, 0.2783,
0.3353

 13.4353, 0.2234,
0.3430

311.4997, 0.2803,
0.3350

 7.7289, 0.2066,
0.3447

369.9811, 0.2821,

 3.9220, 0.1825,

0.3347

435.3591, 0.2837,
0.3344

0.3465

1.6300, 0.1432,
0.3481

0.3777, 0.0000,
0.3273

83.9111, 0.2630,
0.3378

83.9111, 0.2630,
0.3378

81.5203, 0.2532,
0.3405

86.8356, 0.2744,
0.3353

79.6203, 0.2451,
0.3432

90.3140, 0.2871,
0.3329

78.1780, 0.2390,
0.3460

94.3772, 0.3008,
0.3307

77.1517, 0.2348,
0.3489

98.6185, 0.3138,
0.3287

■ 76.4921, 0.2326,
0.3517

98.7248, 0.3128,
0.3271

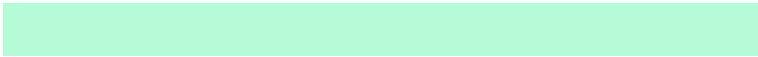
■ 76.1308, 0.2320,
0.3544

■ 76.0832, 0.2319,
0.3549

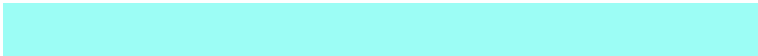
Harmonies

Analogous

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



83.9111, 0.2911, 0.3702



83.9111, 0.2630, 0.3378



83.9111, 0.2482, 0.3048

Triad

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



83.9111, 0.2630, 0.3378



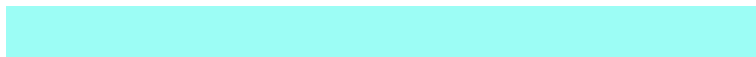
83.9111, 0.2963, 0.2757



83.9111, 0.3796, 0.3735

Complementary

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



83.9111, 0.2630, 0.3378



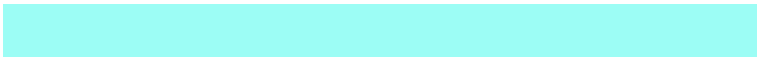
47.3635, 0.4004, 0.3208

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.



83.9111, 0.3818, 0.3469



83.9111, 0.2630, 0.3378



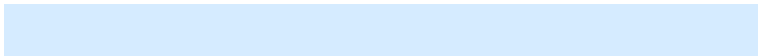
83.9111, 0.3322, 0.2924

Square

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



83.9111, 0.2630, 0.3378



83.9111, 0.2665, 0.2713



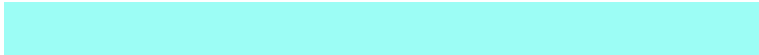
83.9111, 0.3642, 0.3178



83.9111, 0.3587, 0.3902

Rectangle

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



83.9111, 0.2630, 0.3378



83.9111, 0.2473, 0.2876



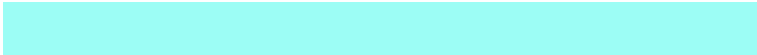
83.9111, 0.3642, 0.3178



83.9111, 0.3826, 0.3653

Sweetspot

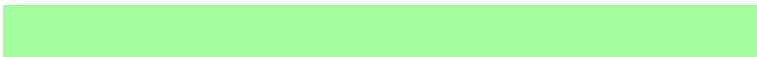
The Sweet Spot groups the original color and five complimentary colors.



83.9144, 0.2630, 0.3378



94.9153, 0.2970, 0.3313



80.5559, 0.3118, 0.4449



20.1928, 0.2951, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

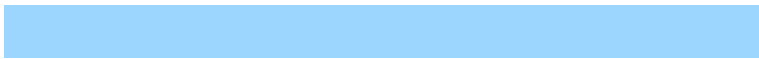
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9144, 0.2630, 0.3378



83.5127, 0.2553, 0.3398



61.5579, 0.2523, 0.2816



20.4542, 0.2991, 0.3309



40.4873, 0.2318, 0.3545



3.9494, 0.2309, 0.3513

Inverse Universe

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



47.3635, 0.4004, 0.3208



41.4681, 0.4280, 0.3193



62.9690, 0.3916, 0.3716



18.0113, 0.3281, 0.3271



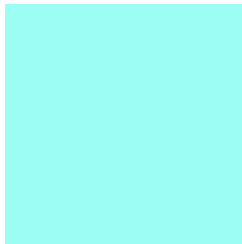
11.1453, 0.6314, 0.3252



1.0931, 0.6131, 0.3151

Previews

White Background



This preview shows how the Yxy color 83.9111, 0.2630, 0.3378 looks on a white background.

Color Contrast Check

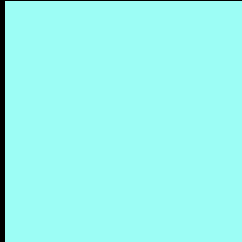
Large Text (above 18pt) WCAG AA × Fail

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 83.9111, 0.2630, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

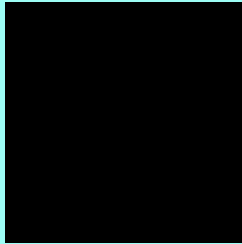
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

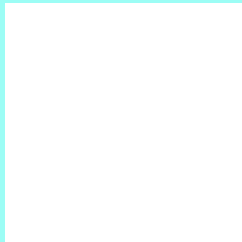
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9111, 0.2630, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 83.9111, 0.2630, 0.3378.

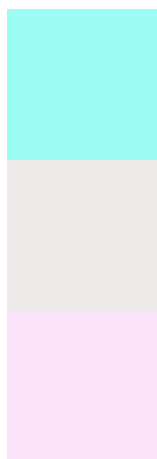


This preview shows how white text looks on a background with the Yxy color 83.9111, 0.2630, 0.3378.

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

83.9111, 0.2630, 0.3378

Protanopia

83.1369, 0.3161, 0.3290

Deuteranopia

82.8982, 0.3144, 0.3074



Tritanopia

83.3270, 0.2785, 0.3162

Trichromacy



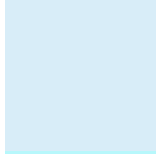
Original Color

83.9111, 0.2630, 0.3378



Protanomaly

82.6389, 0.2941, 0.3321



Deuteranomaly

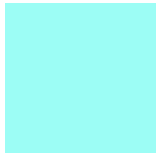
81.9446, 0.2927, 0.3175



Tritanomaly

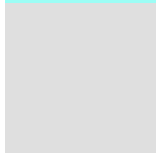
83.5538, 0.2727, 0.3245

Monochromacy



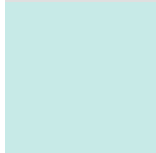
Original Color

83.9111, 0.2630, 0.3378



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.7573, 0.2917, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9111, 0.2630, 0.3378 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(156, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(156, 253, 245)  
}
```

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(156, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 253, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.9111, 0.2630, 0.3378 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(156, 253, 245) }
```

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

```
.border{ border-color:rgb(156, 253, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 253, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(156, 253,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9111, 0.2630, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 253, 245) }
```

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

```
.background{ background-color: rgb(156,  
253, 245) }
```

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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