

Converting Colors

$Y_{xy}(100.0000, 0.2654, 0.3563)$

Have a look what the booklet for
Yxy(100.0000, 0.2654, 0.3563)
contains.

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Color

Yxy(85.7931, 0.2624, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	9FFFFA
RGB	159, 255, 250
RGB Percent	62%, 100%, 98%
CMY	0.3762, 0.0000, 0.0196
CMYK	0.38, 0.00, 0.02, 0.00
HSL	177°, 100%, 81%
HSV	177°, 38%, 100%
XYZ	67.3209, 85.7931, 103.4443
YIQ	225.7260, -55.6110, -21.9070

Conversions

Conversions Part 2

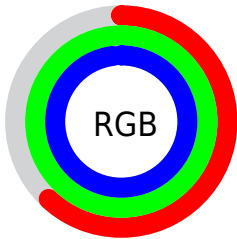
Format	Color
R _Y B	159, 208, 255
Decimal	10485754
CIE Lab	94.22, -29.40, -6.57
CIE LCh	94, 30.130, 192.598
Yxy	85.7931, 0.2624, 0.3344
Android (android.graphics.Color)	4288675834 (0xFF9FFFA)
YUV	225.7260, 11.9671, -58.5187
Hunter-Lab	92.6246, -32.3566, -1.3786

Details

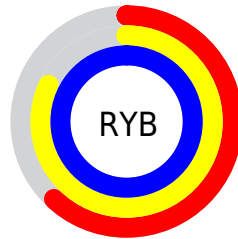
The Yxy color **85.7931, 0.2624, 0.3344** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.7607, 0.4010, 0.3240**, and the grayscale version is **75.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **47.1080, 0.2515, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **83.3684, 0.2522, 0.3361**, and if you desaturate by 10%, it is **88.7629, 0.2742, 0.3328**.

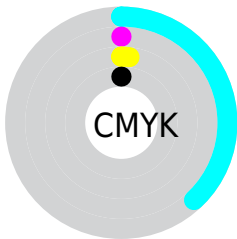
Distribution



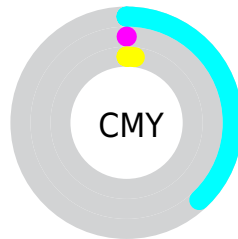
- Red (62%)
- Green (100%)
- Blue (98%)



- Red (62%)
- Yellow (82%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7931, 0.2624, 0.3344 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 85.7931, 0.2624, 0.3344 by changing the saturation by 10% instead.


 85.7931, 0.2624,
0.3344


 85.7931, 0.2624,
0.3344


514.2487, 0.2847,
0.3324

 64.4969, 0.2575,
0.3348


 141.4807, 0.2700,
0.3338

 47.0532, 0.2516,
0.3352


 176.6409, 0.2729,
0.3335

 33.0778, 0.2443,
0.3356


217.1913, 0.2755,
0.3333

 22.1860, 0.2351,
0.3361

263.5162, 0.2778,
0.3330

 13.9936, 0.2230,
0.3365

315.9999, 0.2798,
0.3329

 8.1162, 0.2066,
0.3368


375.0270, 0.2816,


 4.1694, 0.1831,


0.3327


440.9818, 0.2832,
0.3325


0.3364


 1.7688, 0.1470,
0.3339


 0.4676, 0.0000,
0.3256


 85.7931, 0.2624,
0.3344


 85.7931, 0.2624,
0.3344


 83.3684, 0.2522,
0.3361


 88.7629, 0.2742,
0.3328

 81.4454, 0.2438,
0.3378

 92.2981, 0.2873,
0.3313

 79.9905, 0.2374,
0.3395

 96.4303, 0.3014,
0.3300

 78.9615, 0.2329,
0.3413

99.9974, 0.3127,
0.3290

■ 78.3091, 0.2303,
0.3430

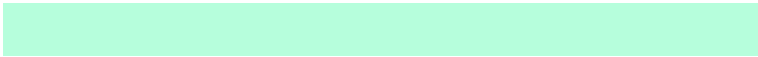
■ 77.9678, 0.2293,
0.3448

■ 77.9096, 0.2292,
0.3452

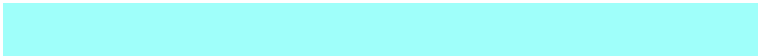
Harmonies

Analogous

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



85.7931, 0.2888, 0.3664



85.7931, 0.2624, 0.3344



85.7931, 0.2494, 0.3029

Triad

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



85.7931, 0.2624, 0.3344



85.7931, 0.3000, 0.2782



85.7931, 0.3765, 0.3744

Complementary

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



85.7931, 0.2624, 0.3344



48.7607, 0.4010, 0.3240

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.



85.7931, 0.3805, 0.3491



85.7931, 0.2624, 0.3344



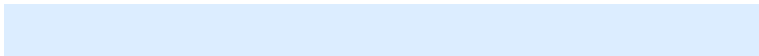
85.7931, 0.3349, 0.2954

Square

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



85.7931, 0.2624, 0.3344



85.7931, 0.2701, 0.2727



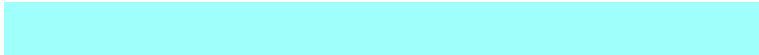
85.7931, 0.3650, 0.3207



85.7931, 0.3548, 0.3892

Rectangle

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



85.7931, 0.2624, 0.3344



85.7931, 0.2495, 0.2869



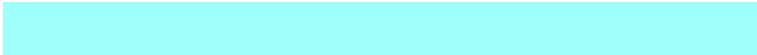
85.7931, 0.3650, 0.3207



85.7931, 0.3800, 0.3667

Sweetspot

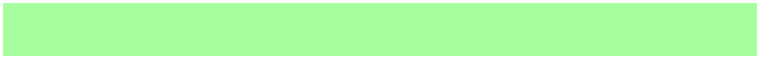
The Sweet Spot groups the original color and five complimentary colors.



85.7965, 0.2624, 0.3344



94.9688, 0.2966, 0.3304



82.0717, 0.3110, 0.4428



20.2057, 0.2946, 0.3306



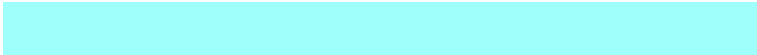
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

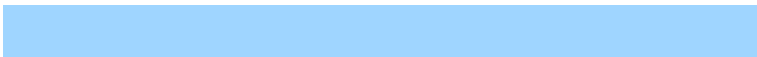
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7965, 0.2624, 0.3344



83.9575, 0.2547, 0.3356



62.4003, 0.2530, 0.2806



20.4641, 0.2987, 0.3302



40.7180, 0.2291, 0.3449



3.9694, 0.2286, 0.3429

Inverse Universe

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



48.7607, 0.4010, 0.3240



42.1721, 0.4280, 0.3231



65.3680, 0.3892, 0.3724



18.0024, 0.3286, 0.3278



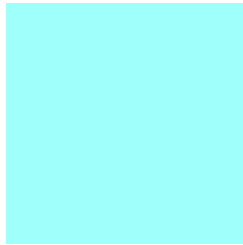
11.1307, 0.6348, 0.3271



1.0889, 0.6226, 0.3203

Previews

White Background



This preview shows how the Yxy color 85.7931, 0.2624, 0.3344 looks on a white background.

Color Contrast Check

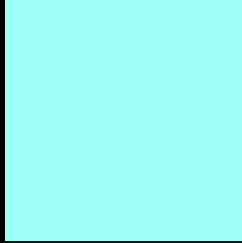
Large Text (above 18pt) WCAG AA × Fail

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 85.7931, 0.2624, 0.3344 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 85.7931, 0.2624, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 85.7931, 0.2624, 0.3344.

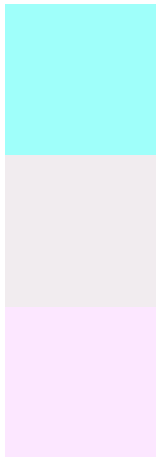


This preview shows how white text looks on a background with the Yxy color 85.7931, 0.2624, 0.3344.

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

85.7931, 0.2624, 0.3344

Protanopia

84.9237, 0.3142, 0.3260

Deuteranopia

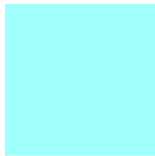
85.0673, 0.3118, 0.3057



Tritanopia

85.0432, 0.2831, 0.3174

Trichromacy



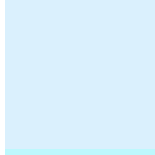
Original Color

85.7931, 0.2624, 0.3344



Protanomaly

84.4211, 0.2926, 0.3289



Deuteranomaly

84.3175, 0.2912, 0.3155



Tritanomaly

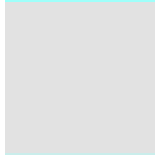
85.0455, 0.2750, 0.3235

Monochromacy



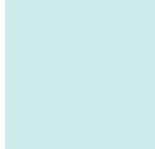
Original Color

85.7931, 0.2624, 0.3344



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1231, 0.2914, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7931, 0.2624, 0.3344 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(159, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 250)  
}
```

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(159, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 85.7931, 0.2624, 0.3344 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(159, 255, 250) }
```

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

```
.border{ border-color:rgb(159, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7931, 0.2624, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 250) }
```

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

```
.background{ background-color: rgb(159,  
255, 250) }
```

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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