

Converting Colors

$Y_{xy}(84.0000, 0.2544, 0.3348)$

Have a look what the booklet for
Yxy(84.0000, 0.2544, 0.3348)
contains.

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Color

Yxy(83.9976, 0.2542, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFFA
RGB	140, 255, 250
RGB Percent	55%, 100%, 98%
CMY	0.4508, 0.0000, 0.0196
CMYK	0.45, 0.00, 0.02, 0.00
HSL	177°, 100%, 77%
HSV	177°, 45%, 100%
XYZ	63.8332, 83.9976, 103.2831
YIQ	220.0450, -66.9350, -25.9350

Conversions

Conversions Part 2

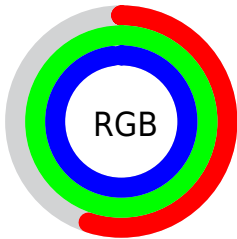
Format	Color
RYB	140, 199, 255
Decimal	9240570
CIELab	93.45, -33.90, -7.80
CIELCh	93, 34.788, 192.965
Yxy	83.9976, 0.2542, 0.3345
Android (android.graphics.Color)	4287430650 (0xFF8CFFFA)
YUV	220.0450, 14.7678, -70.1995
Hunter-Lab	91.6502, -36.0650, -2.6604

Details

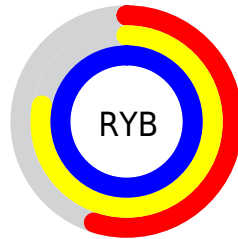
The Yxy color **83.9976, 0.2542, 0.3345** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.0723, 0.4294, 0.3241**, and the grayscale version is **71.5398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **45.9455, 0.2416, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **81.9656, 0.2453, 0.3359**, and if you desaturate by 10%, it is **86.5484, 0.2649, 0.3331**.

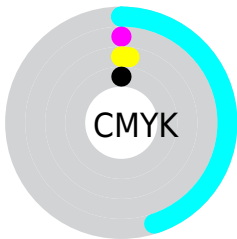
Distribution



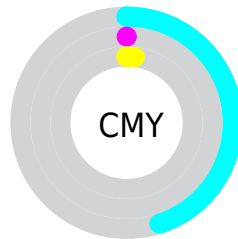
- Red (55%)
- Green (100%)
- Blue (98%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9976, 0.2542, 0.3345 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 83.9976, 0.2542, 0.3345 by changing the saturation by 10% instead.


 83.9976, 0.2542,
0.3345

 83.9976, 0.2542,
0.3345


508.3053, 0.2801,
0.3325

 63.0135, 0.2485,
0.3348


 138.9718, 0.2630,
0.3339

 45.8521, 0.2417,
0.3351


 173.7307, 0.2665,
0.3337

 32.1291, 0.2332,
0.3355


213.8499, 0.2695,
0.3334

 21.4601, 0.2225,
0.3357

259.7139, 0.2721,
0.3332

 13.4608, 0.2085,
0.3358

311.7070, 0.2745,
0.3330

 7.7466, 0.1896,
0.3354

370.2137, 0.2766,

 3.9332, 0.1628,

0.3329

435.6183, 0.2785,
0.3327

0.3338

1.6363, 0.1185,
0.3299

0.3819, 0.0000,
0.2843

83.9976, 0.2542,
0.3345

83.9976, 0.2542,
0.3345

81.9656, 0.2453,
0.3359

86.5484, 0.2649,
0.3331

80.4087, 0.2383,
0.3374

89.6428, 0.2771,
0.3318

79.2889, 0.2332,
0.3388

93.3132, 0.2906,
0.3306

78.5589, 0.2301,
0.3403

97.5872, 0.3051,
0.3295

■ 78.1604, 0.2287,
0.3417

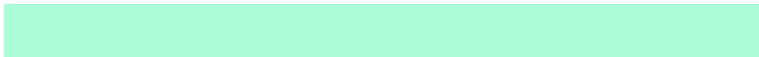
100.0000, 0.3127,
0.3290

■ 78.0451, 0.2284,
0.3424

Harmonies

Analogous

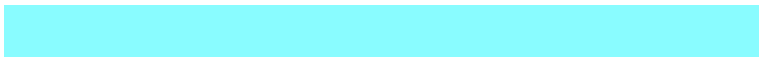
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9976, 0.2843, 0.3724



83.9976, 0.2542, 0.3345



83.9976, 0.2397, 0.2978

Triad

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



83.9976, 0.2542, 0.3345



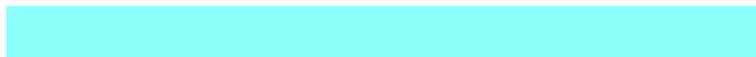
83.9976, 0.2982, 0.2708



83.9976, 0.3865, 0.3814

Complementary

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



83.9976, 0.2542, 0.3345



42.0723, 0.4294, 0.3241

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.



83.9976, 0.3917, 0.3520



83.9976, 0.2542, 0.3345



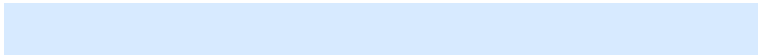
83.9976, 0.3389, 0.2906

Square

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



83.9976, 0.2542, 0.3345



83.9976, 0.2637, 0.2641



83.9976, 0.3740, 0.3195



83.9976, 0.3609, 0.3992

Rectangle

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



83.9976, 0.2542, 0.3345



83.9976, 0.2399, 0.2796



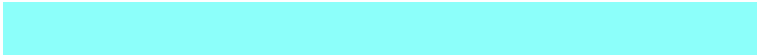
83.9976, 0.3740, 0.3195



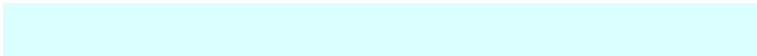
83.9976, 0.3908, 0.3724

Sweetspot

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



84.0002, 0.2542, 0.3345



93.7469, 0.2921, 0.3305



79.5057, 0.3091, 0.4698



19.8824, 0.2891, 0.3308



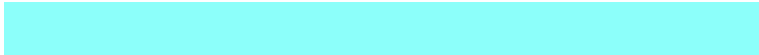
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.0002, 0.2542, 0.3345



82.1624, 0.2462, 0.3358



55.6362, 0.2411, 0.2667



20.4670, 0.2986, 0.3300



40.7863, 0.2284, 0.3422



3.9753, 0.2279, 0.3405

Inverse Universe

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



42.0723, 0.4294, 0.3241



35.4902, 0.4670, 0.3235



60.7527, 0.4083, 0.3829



17.9999, 0.3288, 0.3280



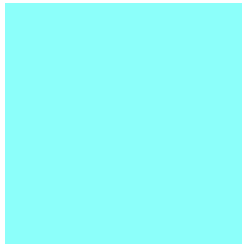
11.1271, 0.6357, 0.3276



1.0877, 0.6254, 0.3219

Previews

White Background



This preview shows how the Yxy color 83.9976, 0.2542, 0.3345 looks on a white background.

Color Contrast Check

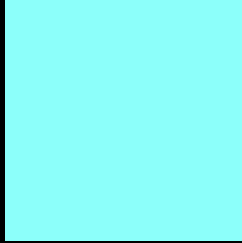
Large Text (above 18pt) WCAG AA × Fail

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 83.9976, 0.2542, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

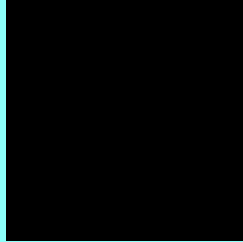
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

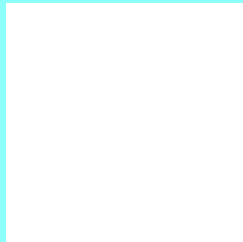
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9976, 0.2542, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 83.9976, 0.2542, 0.3345.

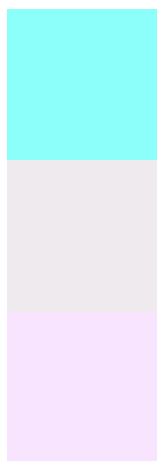


This preview shows how white text looks on a background with the Yxy color 83.9976, 0.2542, 0.3345.

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

83.9976, 0.2542, 0.3345

Protanopia

83.1372, 0.3135, 0.3260

Deuteranopia

82.6633, 0.3092, 0.3025



Tritanopia

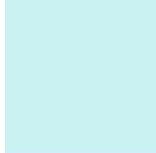
83.5235, 0.2769, 0.3172

Trichromacy



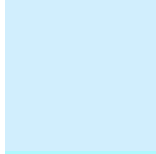
Original Color

83.9976, 0.2542, 0.3345



Protanomaly

82.4716, 0.2877, 0.3289



Deuteranomaly

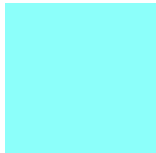
81.7962, 0.2856, 0.3132



Tritanomaly

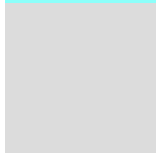
83.3406, 0.2677, 0.3234

Monochromacy



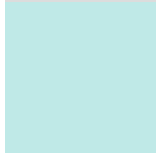
Original Color

83.9976, 0.2542, 0.3345



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1237, 0.2868, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9976, 0.2542, 0.3345 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(140, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 83.9976, 0.2542, 0.3345 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(140, 255, 250) }
```

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

```
.border{ border-color:rgb(140, 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(140, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9976, 0.2542, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 250) }
```

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

```
.background{ background-color: rgb(140,  
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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