

Converting Colors

$Yxy(85.4493, 0.2649, 0.3406)$

Have a look what the booklet for
Yxy(85.4493, 0.2649, 0.3406)
contains.

Yxy(85.4226, 0.2651, 0.3412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.4226, 0.2651, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	9FFFF4
RGB	159, 255, 244
RGB Percent	62%, 100%, 96%
CMY	0.3769, 0.0000, 0.0432
CMYK	0.38, 0.00, 0.04, 0.00
HSL	173°, 100%, 81%
HSV	173°, 38%, 100%
XYZ	66.3703, 85.4226, 98.5665
YIQ	225.0420, -53.6850, -23.7730

Conversions

Conversions Part 2

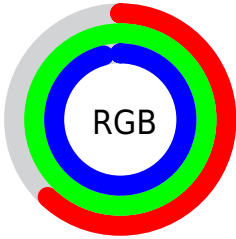
Format	Color
R _Y B	159, 210, 255
Decimal	10485748
CIE _{Lab}	94.06, -30.83, -3.71
CIE _{LCh}	94, 31.050, 186.854
Y _{xy}	85.4226, 0.2651, 0.3412
Android (android.graphics.Color)	4288675828 (0xFF9FFF4)
YUV	225.0420, 9.3463, -57.9188
Hunter-Lab	92.4243, -33.5611, 1.4669

Details

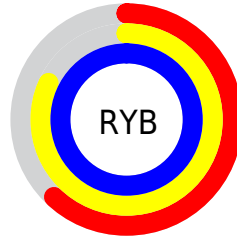
The Yxy color **85.4226, 0.2651, 0.3412** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9211, 0.3952, 0.3176**, and the grayscale version is **75.2630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **46.8438, 0.2548, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **82.8940, 0.2554, 0.3449**, and if you desaturate by 10%, it is **88.4697, 0.2763, 0.3376**.

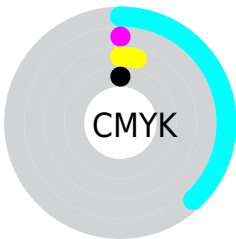
Distribution



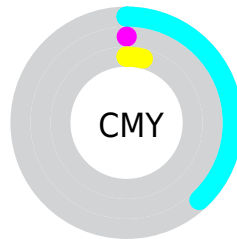
- Red (62%)
- Green (100%)
- Blue (96%)



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



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4226, 0.2651, 0.3412 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 85.4226, 0.2651, 0.3412 by changing the saturation by 10% instead.


 85.4226, 0.2651,
0.3412


 85.4226, 0.2651,
0.3412


513.0254, 0.2863,
0.3360

 64.1906, 0.2605,
0.3423


 140.9635, 0.2723,
0.3395

 46.8051, 0.2548,
0.3436


 176.0411, 0.2751,
0.3388

 32.8816, 0.2478,
0.3452


216.5028, 0.2776,
0.3382

 22.0358, 0.2389,
0.3472

262.7329, 0.2798,
0.3376

 13.8832, 0.2272,
0.3497

315.1158, 0.2817,
0.3371

 8.0395, 0.2112,
0.3529

374.0360, 0.2834,

 4.1202, 0.1881,

0.3367

0.3571

439.8777, 0.2849,
0.3363

■ 1.7410, 0.1515,
0.3627

■ 0.4500, 0.0000,
0.3753

■ 85.4226, 0.2651,
0.3412

■ 85.4226, 0.2651,
0.3412

■ 82.8940, 0.2554,
0.3449

■ 88.4697, 0.2763,
0.3376

■ 80.8834, 0.2475,
0.3489

■ 92.0986, 0.2887,
0.3343

■ 79.3428, 0.2415,
0.3529

■ 96.3266, 0.3020,
0.3312

■ 78.2301, 0.2374,
0.3569

100.0000, 0.3127,
0.3290

■ 77.4957, 0.2353,
0.3609

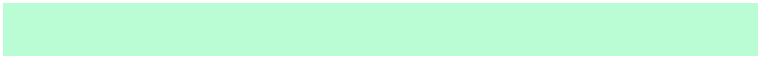
■ 77.0740, 0.2349,
0.3649

■ 76.9988, 0.2349,
0.3658

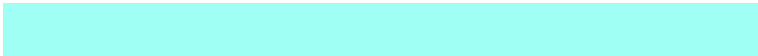
Harmonies

Analogous

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



85.4226, 0.2943, 0.3730



85.4226, 0.2651, 0.3412



85.4226, 0.2488, 0.3076

Triad

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



85.4226, 0.2651, 0.3412



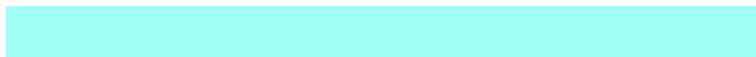
85.4226, 0.2929, 0.2746



85.4226, 0.3808, 0.3713

Complementary

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



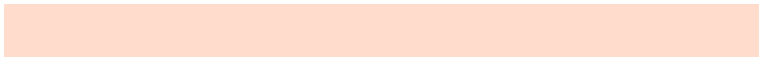
85.4226, 0.2651, 0.3412



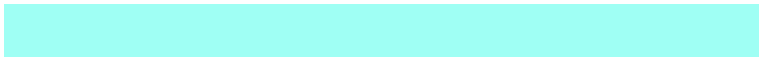
48.9211, 0.3952, 0.3176

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.



85.4226, 0.3811, 0.3441



85.4226, 0.2651, 0.3412



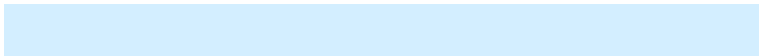
85.4226, 0.3287, 0.2902

Square

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



85.4226, 0.2651, 0.3412



85.4226, 0.2641, 0.2715



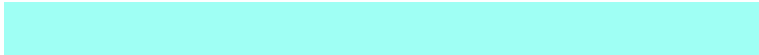
85.4226, 0.3617, 0.3150



85.4226, 0.3615, 0.3894

Rectangle

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



85.4226, 0.2651, 0.3412



85.4226, 0.2468, 0.2896



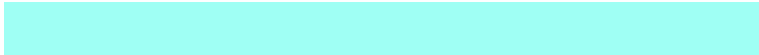
85.4226, 0.3617, 0.3150



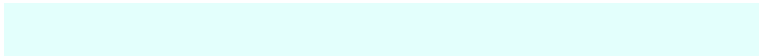
85.4226, 0.3832, 0.3628

Sweetspot

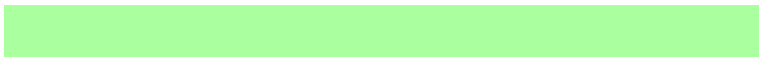
The Sweet Spot groups the original color and five complimentary colors.



85.4116, 0.2651, 0.3412



94.8574, 0.2975, 0.3322



82.5783, 0.3138, 0.4421



20.1789, 0.2957, 0.3326



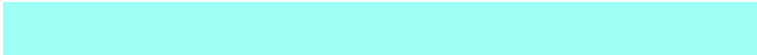
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



85.4116, 0.2651, 0.3412



83.5190, 0.2579, 0.3439



64.8076, 0.2538, 0.2863



20.4435, 0.2995, 0.3317



40.2478, 0.2348, 0.3651



3.9285, 0.2335, 0.3606

Inverse Universe

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



48.9211, 0.3952, 0.3176



42.4025, 0.4200, 0.3156



63.1218, 0.3912, 0.3676



18.0209, 0.3276, 0.3263



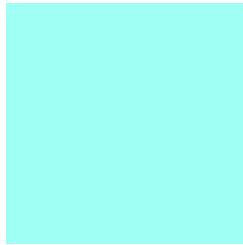
11.1664, 0.6265, 0.3225



1.0976, 0.6032, 0.3097

Previews

White Background



This preview shows how the Yxy color 85.4226, 0.2651, 0.3412 looks on a white background.

Color Contrast Check

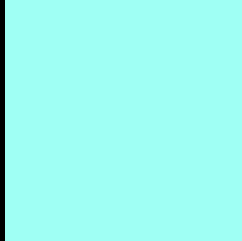
Large Text (above 18pt) WCAG AA × Fail

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 85.4226, 0.2651, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

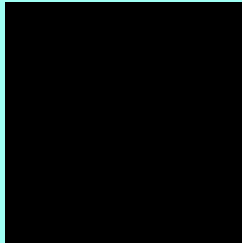
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

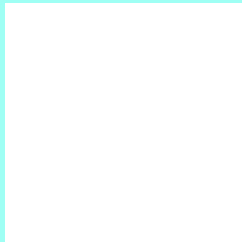
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4226, 0.2651, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 85.4226, 0.2651, 0.3412.

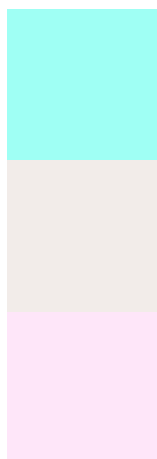


This preview shows how white text looks on a background with the Yxy color 85.4226, 0.2651, 0.3412.

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

85.4226, 0.2651, 0.3412

Protanopia

84.7513, 0.3186, 0.3321

Deuteranopia

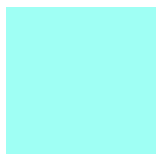
84.5040, 0.3170, 0.3105



Tritanopia

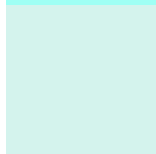
84.7587, 0.2820, 0.3174

Trichromacy



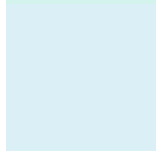
Original Color

85.4226, 0.2651, 0.3412



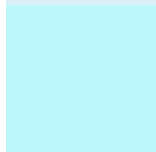
Protanomaly

84.2127, 0.2966, 0.3353



Deuteranomaly

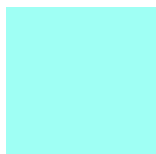
83.5085, 0.2951, 0.3206



Tritanomaly

84.7912, 0.2755, 0.3257

Monochromacy



Original Color

85.4226, 0.2651, 0.3412



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2346, 0.2925, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4226, 0.2651, 0.3412 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 85.4226, 0.2651, 0.3412 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, 244) }
```

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

```
.border{ border-color:rgb(159, 255, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4226, 0.2651, 0.3412 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, 244) }
```

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

```
.background{ background-color: rgb(159,  
255, 244) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor