

Converting Colors

$Y_{xy}(85.3020, 0.2639, 0.3401)$

Have a look what the booklet for
Yxy(85.3020, 0.2639, 0.3401)
contains.

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Color

Yxy(85.2807, 0.2638, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFF5
RGB	157, 255, 245
RGB Percent	62%, 100%, 96%
CMY	0.3841, 0.0000, 0.0394
CMYK	0.38, 0.00, 0.04, 0.00
HSL	174°, 100%, 81%
HSV	174°, 38%, 100%
XYZ	66.1483, 85.2807, 99.3228
YIQ	224.5580, -55.1980, -23.8860

Conversions

Conversions Part 2

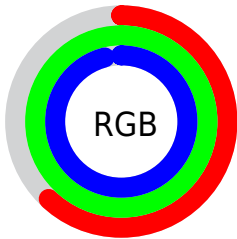
Format	Color
RYB	157, 209, 255
Decimal	10354677
CIELab	94.00, -31.06, -4.30
CIELCh	94, 31.357, 187.890
Yxy	85.2807, 0.2638, 0.3401
Android (android.graphics.Color)	4288544757 (0xFF9DFFF5)
YUV	224.5580, 10.0779, -59.2484
Hunter-Lab	92.3476, -33.7491, 0.8750

Details

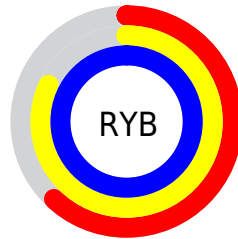
The Yxy color **85.2807, 0.2638, 0.3401** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.1879, 0.3987, 0.3187**, and the grayscale version is **74.9264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **46.7716, 0.2533, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **82.8213, 0.2542, 0.3435**, and if you desaturate by 10%, it is **88.2840, 0.2750, 0.3369**.

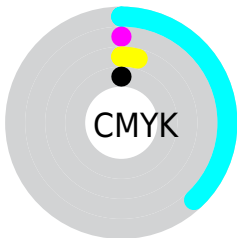
Distribution



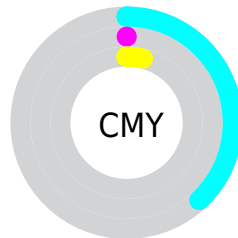
- Red (62%)
- Green (100%)
- Blue (96%)



- 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 85.2807, 0.2638, 0.3401 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 85.2807, 0.2638, 0.3401 by changing the saturation by 10% instead.


 85.2807, 0.2638,
0.3401


 85.2807, 0.2638,
0.3401


512.5564, 0.2856,
0.3354

 64.0733, 0.2590,
0.3411


 140.7653, 0.2712,
0.3385

 46.7101, 0.2532,
0.3422


 175.8113, 0.2741,
0.3379

 32.8065, 0.2461,
0.3436


216.2390, 0.2766,
0.3374

 21.9783, 0.2370,
0.3453

262.4328, 0.2789,
0.3369

 13.8409, 0.2250,
0.3475

314.7770, 0.2808,
0.3365

 8.0101, 0.2087,
0.3501

373.6561, 0.2826,

 4.1014, 0.1851,

0.3361

439.4544, 0.2841,
0.3357

0.3534

1.7305, 0.1478,
0.3575

0.4433, 0.0000,
0.3613

85.2807, 0.2638,
0.3401

85.2807, 0.2638,
0.3401

82.8213, 0.2542,
0.3435

88.2840, 0.2750,
0.3369

80.8627, 0.2463,
0.3470

91.8523, 0.2875,
0.3339

79.3707, 0.2403,
0.3505

96.0171, 0.3009,
0.3311

78.3028, 0.2363,
0.3541

100.0000, 0.3127,
0.3290

■ 77.6087, 0.2343,
0.3577

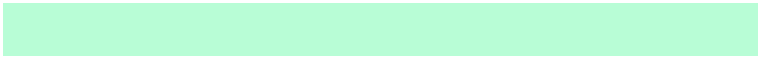
■ 77.2180, 0.2338,
0.3612

■ 77.1685, 0.2338,
0.3617

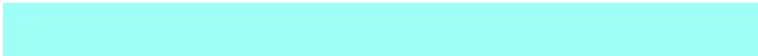
Harmonies

Analogous

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



85.2807, 0.2929, 0.3726



85.2807, 0.2638, 0.3401



85.2807, 0.2479, 0.3063

Triad

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



85.2807, 0.2638, 0.3401



85.2807, 0.2939, 0.2744



85.2807, 0.3812, 0.3725

Complementary

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



85.2807, 0.2638, 0.3401



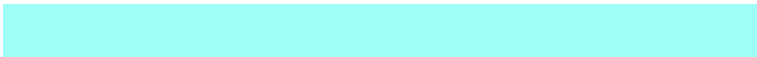
48.1879, 0.3987, 0.3187

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.



85.2807, 0.3822, 0.3452



85.2807, 0.2638, 0.3401



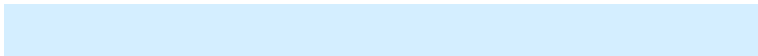
85.2807, 0.3302, 0.2906

Square

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



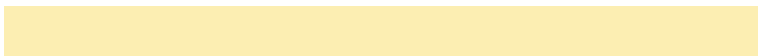
85.2807, 0.2638, 0.3401



85.2807, 0.2645, 0.2708



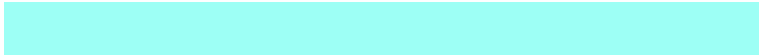
85.2807, 0.3631, 0.3158



85.2807, 0.3610, 0.3904

Rectangle

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



85.2807, 0.2638, 0.3401



85.2807, 0.2462, 0.2884



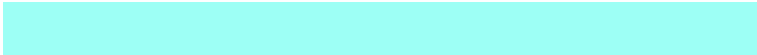
85.2807, 0.3631, 0.3158



85.2807, 0.3838, 0.3641

Sweetspot

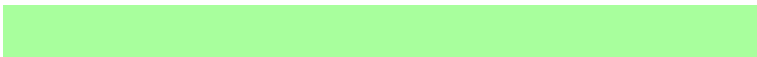
The Sweet Spot groups the original color and five complimentary colors.



85.2839, 0.2638, 0.3401



94.4508, 0.2960, 0.3321



82.3346, 0.3137, 0.4446



20.0986, 0.2942, 0.3325



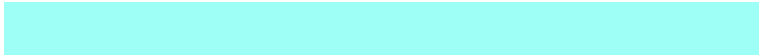
0.0000, 0.0000, 0.0000



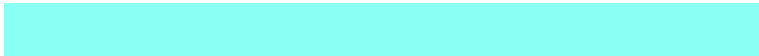
21.4041, 0.3127, 0.3290

Same Dimension

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



85.2839, 0.2638, 0.3401



83.3669, 0.2563, 0.3426



64.2552, 0.2527, 0.2854



20.4475, 0.2994, 0.3314



40.3353, 0.2337, 0.3611



3.9362, 0.2325, 0.3571

Inverse Universe

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



48.1879, 0.3987, 0.3187



41.5443, 0.4253, 0.3168



62.5490, 0.3932, 0.3684



18.0173, 0.3278, 0.3266



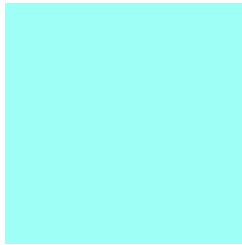
11.1580, 0.6284, 0.3236



1.0960, 0.6068, 0.3116

Previews

White Background



This preview shows how the Yxy color 85.2807, 0.2638, 0.3401 looks on a white background.

Color Contrast Check

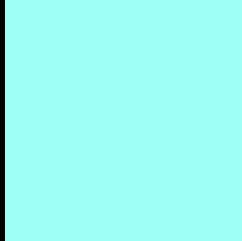
Large Text (above 18pt) WCAG AA × Fail

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 85.2807, 0.2638, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

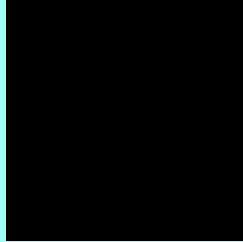
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

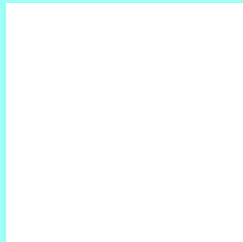
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.2807, 0.2638, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 85.2807, 0.2638, 0.3401.

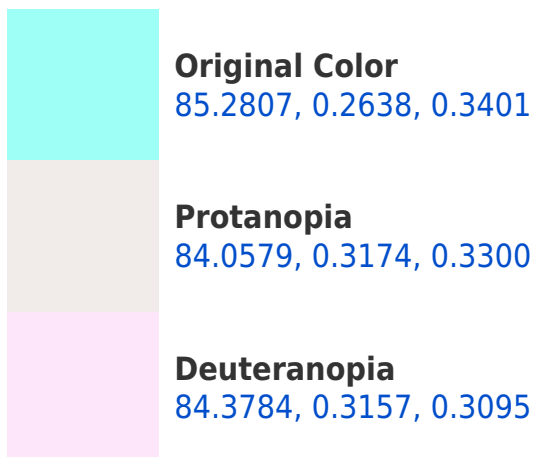


This preview shows how white text looks on a background with the Yxy color 85.2807, 0.2638, 0.3401.

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





Tritanopia

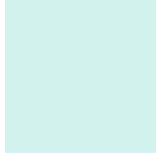
84.6179, 0.2814, 0.3174

Trichromacy



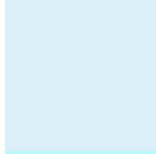
Original Color

85.2807, 0.2638, 0.3401



Protanomaly

83.3789, 0.2948, 0.3332



Deuteranomaly

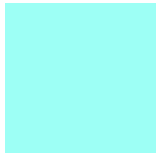
83.4157, 0.2940, 0.3196



Tritanomaly

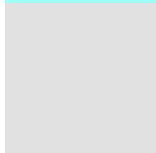
84.5389, 0.2744, 0.3257

Monochromacy



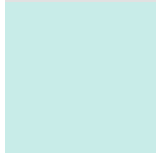
Original Color

85.2807, 0.2638, 0.3401



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.0965, 0.2919, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2807, 0.2638, 0.3401 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(157, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 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(157, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 85.2807, 0.2638, 0.3401 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(157, 255, 245) }
```

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

```
.border{ border-color:rgb(157, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(157, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2807, 0.2638, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 245) }
```

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

```
.background{ background-color: rgb(157,  
255, 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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