

Converting Colors

Yxy(101.4946, 0.2803, 0.3849)

Have a look what the booklet for
Yxy(101.4946, 0.2803, 0.3849)
contains.

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Color

Yxy(85.5011, 0.2782, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFE3
RGB	169, 255, 227
RGB Percent	66%, 100%, 89%
CMY	0.3374, 0.0000, 0.1098
CMYK	0.34, 0.00, 0.11, 0.00
HSL	160°, 100%, 83%
HSV	160°, 34%, 100%
XYZ	65.9817, 85.5011, 85.6908
YIQ	226.0940, -42.2680, -26.9400

Conversions

Conversions Part 2

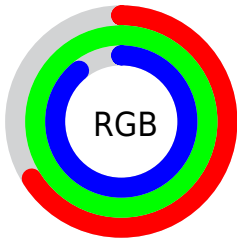
Format	Color
RYB	169, 220, 255
Decimal	11141091
CIELab	94.10, -31.84, 5.17
CIELCh	94, 32.258, 170.772
Yxy	85.5011, 0.2782, 0.3605
Android (android.graphics.Color)	4289331171 (0xFFA9FFE3)
YUV	226.0940, 0.4467, -50.0714
Hunter-Lab	92.4668, -34.4443, 9.7815

Details

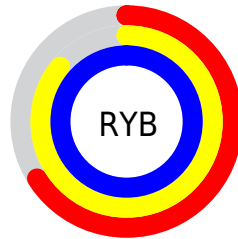
The Yxy color **85.5011, 0.2782, 0.3605** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.6572, 0.3662, 0.3000**, and the grayscale version is **76.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **46.8774, 0.2700, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **82.5002, 0.2699, 0.3716**, and if you desaturate by 10%, it is **89.0674, 0.2876, 0.3501**.

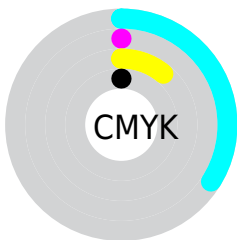
Distribution



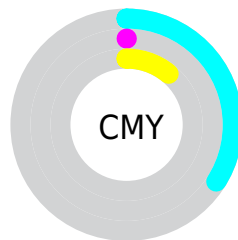
- Red (66%)
- Green (100%)
- Blue (89%)



- Red (66%)
- Yellow (86%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5011, 0.2782, 0.3605 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 85.5011, 0.2782, 0.3605 by changing the saturation by 10% instead.

 85.5011, 0.2782,
0.3605

 85.5011, 0.2782,
0.3605


513.2847, 0.2938,
0.3461

 64.2555, 0.2747,
0.3638

 141.0731, 0.2836,
0.3555

 46.8576, 0.2704,
0.3678


176.1682, 0.2857,
0.3536

 32.9231, 0.2651,
0.3729


216.6487, 0.2875,
0.3519

 22.0676, 0.2582,
0.3794

262.8989, 0.2891,
0.3504

 13.9066, 0.2490,
0.3883

315.3032, 0.2905,
0.3491

 8.0557, 0.2362,
0.4010

374.2460, 0.2917,

 4.1306, 0.2170,

0.3480

0.4205

440.1117, 0.2928,
0.3470

1.7469, 0.1839,
0.4548

0.4537, 0.0000,
0.7741

85.5011, 0.2782,
0.3605

85.5011, 0.2782,
0.3605

82.5002, 0.2699,
0.3716

89.0674, 0.2876,
0.3501

80.0422, 0.2631,
0.3835

93.2389, 0.2979,
0.3406

78.0881, 0.2579,
0.3958

98.0399, 0.3086,
0.3320

76.5976, 0.2548,
0.4084

100.0000, 0.3127,
0.3290

■ 75.5242, 0.2537,
0.4211

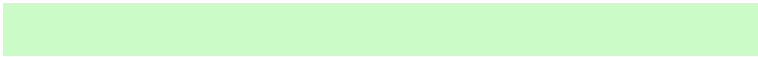
■ 74.8113, 0.2546,
0.4336

■ 74.4976, 0.2559,
0.4413

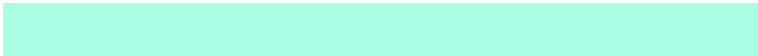
Harmonies

Analogous

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



85.5011, 0.3129, 0.3873



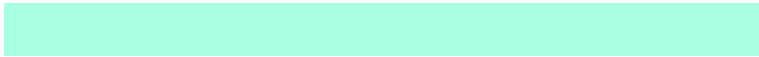
85.5011, 0.2782, 0.3605



85.5011, 0.2536, 0.3249

Triad

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



85.5011, 0.2782, 0.3605



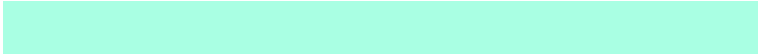
85.5011, 0.2748, 0.2691



85.5011, 0.3863, 0.3583

Complementary

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



85.5011, 0.2782, 0.3605



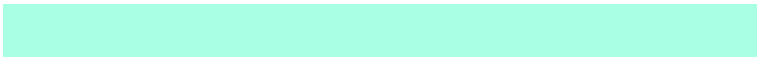
53.6572, 0.3662, 0.3000

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.



85.5011, 0.3753, 0.3282



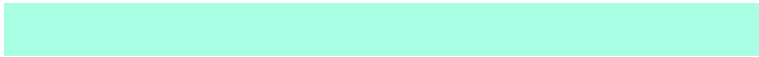
85.5011, 0.2782, 0.3605



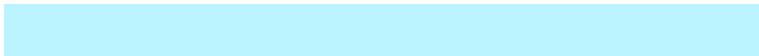
85.5011, 0.3090, 0.2787

Square

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



85.5011, 0.2782, 0.3605



85.5011, 0.2517, 0.2737



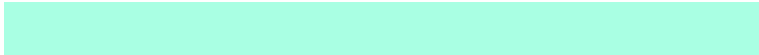
85.5011, 0.3463, 0.2998



85.5011, 0.3763, 0.3832

Rectangle

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



85.5011, 0.2782, 0.3605



85.5011, 0.2455, 0.3026



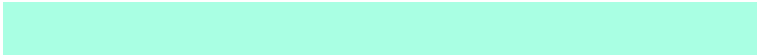
85.5011, 0.3463, 0.2998



85.5011, 0.3850, 0.3484

Sweetspot

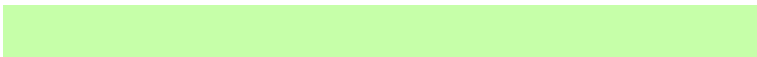
The Sweet Spot groups the original color and five complimentary colors.



85.4978, 0.2782, 0.3605



94.9571, 0.3018, 0.3373



86.3419, 0.3254, 0.4250



20.1841, 0.3003, 0.3385



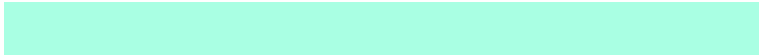
0.0000, 0.0000, 0.0000



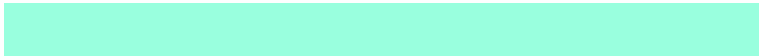
21.4041, 0.3127, 0.3290

Same Dimension

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



85.4978, 0.2782, 0.3605



83.5550, 0.2729, 0.3674



78.3632, 0.2626, 0.3130



20.3749, 0.3024, 0.3369



38.9552, 0.2553, 0.4392



3.8130, 0.2514, 0.4251

Inverse Universe

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



53.6572, 0.3662, 0.3000



47.5966, 0.3806, 0.2945



58.1197, 0.3874, 0.3443



18.0846, 0.3243, 0.3213



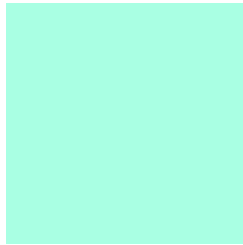
11.4596, 0.5676, 0.2900



1.1349, 0.5357, 0.2725

Previews

White Background



This preview shows how the Yxy color 85.5011, 0.2782, 0.3605 looks on a white background.

Color Contrast Check

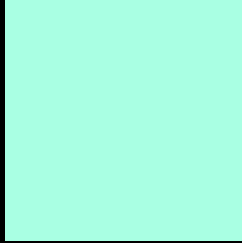
Large Text (above 18pt) WCAG AA × Fail

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 85.5011, 0.2782, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

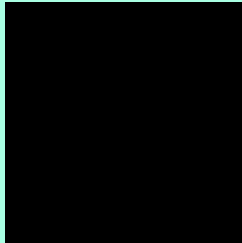
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5011, 0.2782, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 85.5011, 0.2782, 0.3605.

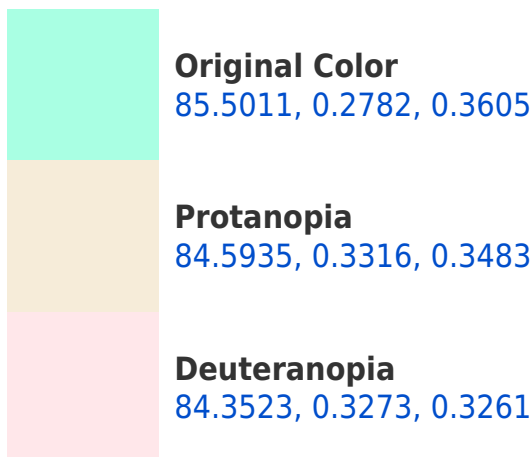


This preview shows how white text looks on a background with the Yxy color 85.5011, 0.2782, 0.3605.

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

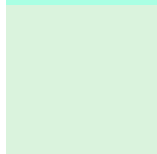
85.3313, 0.2843, 0.3175

Trichromacy



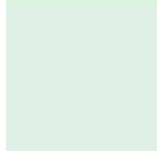
Original Color

85.5011, 0.2782, 0.3605



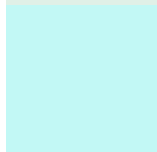
Protanomaly

84.2271, 0.3097, 0.3524



Deuteranomaly

83.9370, 0.3077, 0.3384



Tritanomaly

85.1967, 0.2818, 0.3321

Monochromacy



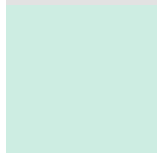
Original Color

85.5011, 0.2782, 0.3605



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0385, 0.2985, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5011, 0.2782, 0.3605 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(169, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 227)  
}
```

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(169, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 85.5011, 0.2782, 0.3605 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(169, 255, 227) }
```

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

```
.border{ border-color:rgb(169, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5011, 0.2782, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 227) }
```

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

```
.background{ background-color: rgb(169,  
255, 227) }
```

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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