

Converting Colors

$Yxy(92.0469, 0.2717, 0.3584)$

Have a look what the booklet for
Yxy(92.0469, 0.2717, 0.3584)
contains.

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Color

Yxy(85.5856, 0.2703, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFEE
RGB	164, 255, 238
RGB Percent	64%, 100%, 93%
CMY	0.3571, 0.0000, 0.0666
CMYK	0.36, 0.00, 0.07, 0.00
HSL	169°, 100%, 82%
HSV	169°, 36%, 100%
XYZ	66.4955, 85.5856, 93.9252
YIQ	225.8530, -48.7790, -24.5790

Conversions

Conversions Part 2

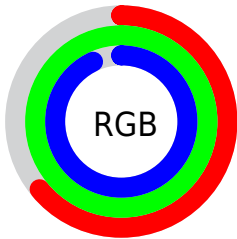
Format	Color
RYB	164, 214, 255
Decimal	10813422
CIELab	94.13, -30.85, -0.50
CIELCh	94, 30.855, 180.927
Yxy	85.5856, 0.2703, 0.3479
Android (android.graphics.Color)	4289003502 (0xFFA4FFEE)
YUV	225.8530, 5.9885, -54.2451
Hunter-Lab	92.5125, -33.5958, 4.5633

Details

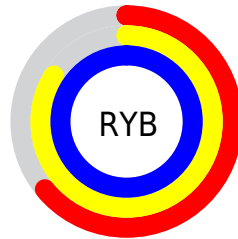
The Yxy color **85.5856, 0.2703, 0.3479** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.1206, 0.3827, 0.3114**, and the grayscale version is **75.9113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.9537, 0.2613, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **82.8596, 0.2610, 0.3541**, and if you desaturate by 10%, it is **88.8526, 0.2810, 0.3420**.

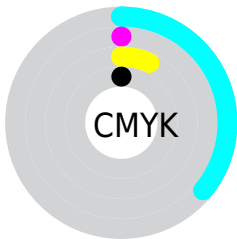
Distribution



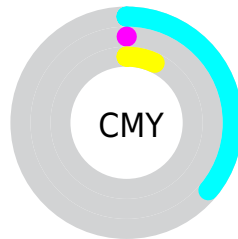
- Red (64%)
- Green (100%)
- Blue (93%)



- Red (64%)
- Yellow (84%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5856, 0.2703, 0.3479 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 85.5856, 0.2703, 0.3479 by changing the saturation by 10% instead.


 85.5856, 0.2703,
0.3479


 85.5856, 0.2703,
0.3479


513.5638, 0.2893,
0.3395

 64.3254, 0.2661,
0.3497


 141.1911, 0.2768,
0.3450

 46.9142, 0.2610,
0.3520


 176.3051, 0.2793,
0.3439

 32.9679, 0.2547,
0.3548


216.8058, 0.2815,
0.3429

 22.1018, 0.2466,
0.3584

263.0776, 0.2835,
0.3421

 13.9317, 0.2359,
0.3630

315.5049, 0.2852,
0.3413

 8.0732, 0.2212,
0.3695

374.4721, 0.2867,

 4.1418, 0.1997,

0.3406

0.3788

440.3636, 0.2880,
0.3400

■ 1.7532, 0.1649,
0.3938

■ 0.4578, 0.0000,
0.4619

■ 85.5856, 0.2703,
0.3479

■ 85.5856, 0.2703,
0.3479

■ 82.8596, 0.2610,
0.3541

■ 88.8526, 0.2810,
0.3420

■ 80.6572, 0.2532,
0.3606

■ 92.7059, 0.2928,
0.3366

■ 78.9368, 0.2474,
0.3673

■ 97.1682, 0.3053,
0.3316

■ 77.6577, 0.2435,
0.3742

100.0000, 0.3127,
0.3290

■ 76.7718, 0.2416,
0.3810

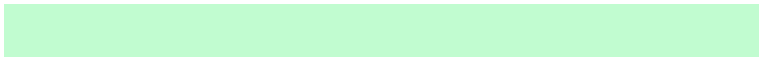
■ 76.2198, 0.2415,
0.3878

■ 76.0484, 0.2419,
0.3907

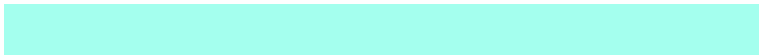
Harmonies

Analogous

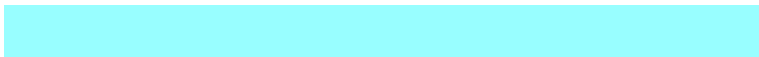
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5856, 0.3011, 0.3776



85.5856, 0.2703, 0.3479



85.5856, 0.2512, 0.3139

Triad

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



85.5856, 0.2703, 0.3479



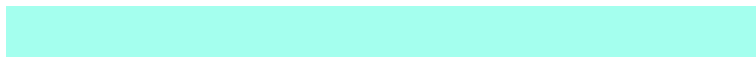
85.5856, 0.2866, 0.2733



85.5856, 0.3820, 0.3662

Complementary

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



85.5856, 0.2703, 0.3479



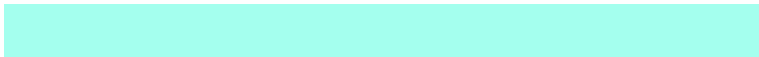
51.1206, 0.3827, 0.3114

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.



85.5856, 0.3783, 0.3382



85.5856, 0.2703, 0.3479



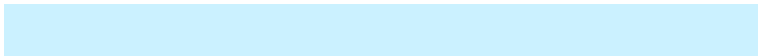
85.5856, 0.3215, 0.2866

Square

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



85.5856, 0.2703, 0.3479



85.5856, 0.2602, 0.2729



85.5856, 0.3556, 0.3098



85.5856, 0.3662, 0.3865

Rectangle

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



85.5856, 0.2703, 0.3479



85.5856, 0.2471, 0.2947



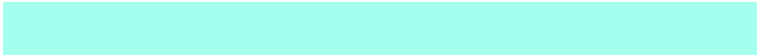
85.5856, 0.3556, 0.3098



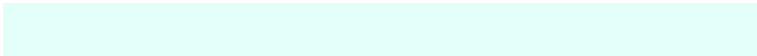
85.5856, 0.3831, 0.3573

Sweetspot

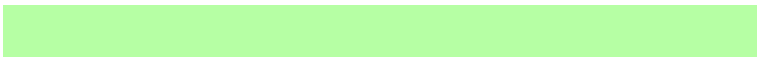
The Sweet Spot groups the original color and five complimentary colors.



85.5806, 0.2703, 0.3479



94.7306, 0.2986, 0.3342



84.1613, 0.3184, 0.4338



20.1485, 0.2969, 0.3349



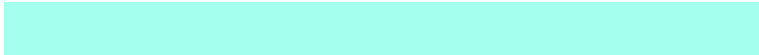
0.0000, 0.0000, 0.0000



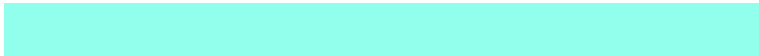
21.4041, 0.3127, 0.3290

Same Dimension

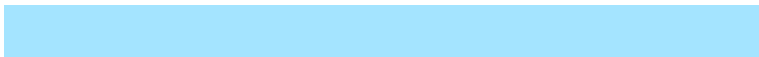
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5806, 0.2703, 0.3479



83.5447, 0.2633, 0.3524



70.4172, 0.2580, 0.2979



20.4200, 0.3005, 0.3335



39.7578, 0.2415, 0.3895



3.8854, 0.2394, 0.3818

Inverse Universe

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



51.1206, 0.3827, 0.3114



44.3632, 0.4044, 0.3078



61.3112, 0.3888, 0.3578



18.0424, 0.3265, 0.3246



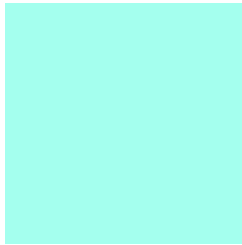
11.2340, 0.6115, 0.3142



1.1079, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 85.5856, 0.2703, 0.3479 looks on a white background.

Color Contrast Check

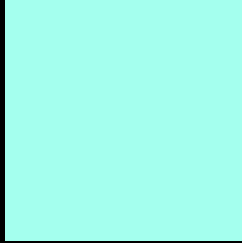
Large Text (above 18pt) WCAG AA × Fail

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 85.5856, 0.2703, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

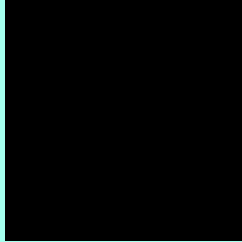
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5856, 0.2703, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 85.5856, 0.2703, 0.3479.

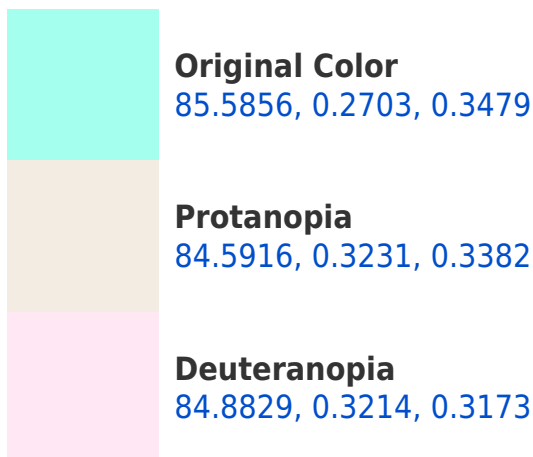


This preview shows how white text looks on a background with the Yxy color 85.5856, 0.2703, 0.3479.

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

85.0432, 0.2831, 0.3174

Trichromacy



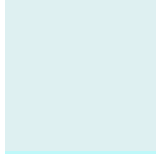
Original Color

85.5856, 0.2703, 0.3479



Protanomaly

84.1668, 0.3013, 0.3417



Deuteranomaly

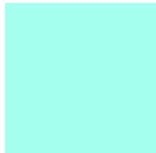
84.2006, 0.3005, 0.3279



Tritanomaly

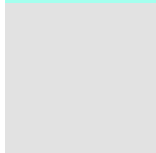
85.0507, 0.2781, 0.3278

Monochromacy



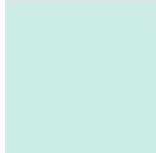
Original Color

85.5856, 0.2703, 0.3479



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.9781, 0.2949, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5856, 0.2703, 0.3479 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(164, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 238)  
}
```

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(164, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.5856, 0.2703, 0.3479 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(164, 255, 238) }
```

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

```
.border{ border-color:rgb(164, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5856, 0.2703, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 238) }
```

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

```
.background{ background-color: rgb(164,  
255, 238) }
```

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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