

Converting Colors

$Yxy(99.3805, 0.2761, 0.3718)$

Have a look what the booklet for
Yxy(99.3805, 0.2761, 0.3718)
contains.

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Color

Yxy(85.9532, 0.2743, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFEB
RGB	169, 255, 235
RGB Percent	66%, 100%, 92%
CMY	0.3369, 0.0000, 0.0784
CMYK	0.34, 0.00, 0.08, 0.00
HSL	166°, 100%, 83%
HSV	166°, 34%, 100%
XYZ	67.1326, 85.9532, 91.6557
YIQ	227.0060, -44.8360, -24.4520

Conversions

Conversions Part 2

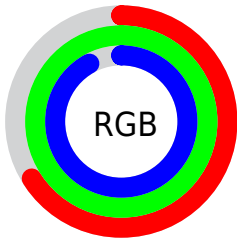
Format	Color
RYB	169, 218, 255
Decimal	11141099
CIELab	94.29, -30.12, 1.32
CIElCh	94, 30.145, 177.494
Yxy	85.9532, 0.2743, 0.3512
Android (android.graphics.Color)	4289331179 (0xFFA9FFEB)
YUV	227.0060, 3.9410, -50.8713
Hunter-Lab	92.7109, -32.9912, 6.2825

Details

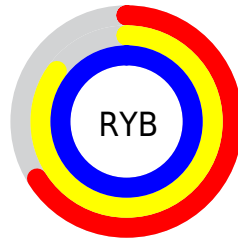
The Yxy color **85.9532, 0.2743, 0.3512** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.3450, 0.3735, 0.3083**, and the grayscale version is **76.8318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **47.1536, 0.2658, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **83.0670, 0.2651, 0.3590**, and if you desaturate by 10%, it is **89.4077, 0.2848, 0.3439**.

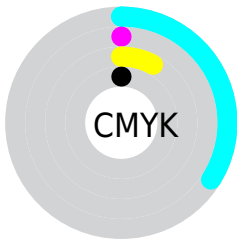
Distribution



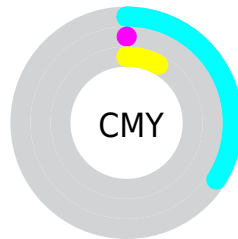
- Red (66%)
- Green (100%)
- Blue (92%)



- Red (66%)
- Yellow (85%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9532, 0.2743, 0.3512 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 85.9532, 0.2743, 0.3512 by changing the saturation by 10% instead.


 85.9532, 0.2743,
0.3512

 85.9532, 0.2743,
0.3512


514.7769, 0.2915,
0.3412

 64.6293, 0.2705,
0.3534


 141.7042, 0.2802,
0.3478

 47.1605, 0.2658,
0.3561


176.9000, 0.2825,
0.3464

 33.1626, 0.2601,
0.3595

217.4886, 0.2845,
0.3453

 22.2510, 0.2527,
0.3639

263.8544, 0.2863,
0.3443

 14.0415, 0.2428,
0.3697

316.3817, 0.2878,
0.3434

 8.1495, 0.2293,
0.3778

375.4550, 0.2892,

 4.1908, 0.2093,

0.3426

0.3899

441.4585, 0.2904,
0.3418

■ 1.7808, 0.1769,
0.4098

■ 0.4752, 0.0000,
0.5277

■ 85.9532, 0.2743,
0.3512

■ 85.9532, 0.2743,
0.3512

■ 83.0670, 0.2651,
0.3590

■ 89.4077, 0.2848,
0.3439

■ 80.7066, 0.2574,
0.3672

■ 93.4498, 0.2961,
0.3372

■ 78.8400, 0.2515,
0.3757

■ 98.1105, 0.3082,
0.3311

■ 77.4270, 0.2476,
0.3844

99.9928, 0.3127,
0.3290

■ 76.4216, 0.2457,
0.3931

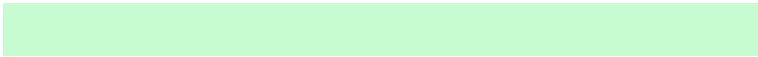
■ 75.7671, 0.2457,
0.4018

■ 75.4838, 0.2465,
0.4072

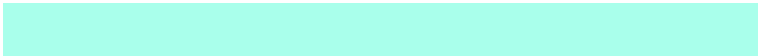
Harmonies

Analogous

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



85.9532, 0.3053, 0.3788



85.9532, 0.2743, 0.3512



85.9532, 0.2541, 0.3180

Triad

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



85.9532, 0.2743, 0.3512



85.9532, 0.2838, 0.2738



85.9532, 0.3809, 0.3625

Complementary

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



85.9532, 0.2743, 0.3512



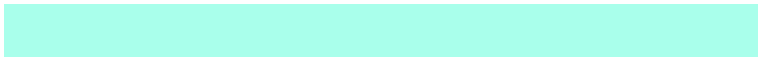
53.3450, 0.3735, 0.3083

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.



85.9532, 0.3750, 0.3348



85.9532, 0.2743, 0.3512



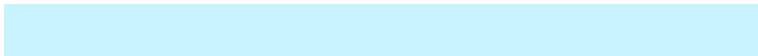
85.9532, 0.3173, 0.2855

Square

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



85.9532, 0.2743, 0.3512



85.9532, 0.2593, 0.2751



85.9532, 0.3512, 0.3073



85.9532, 0.3676, 0.3835

Rectangle

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



85.9532, 0.2743, 0.3512



85.9532, 0.2488, 0.2985



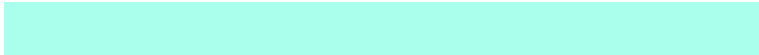
85.9532, 0.3512, 0.3073



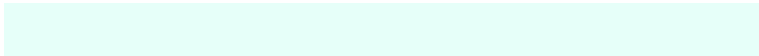
85.9532, 0.3812, 0.3536

Sweetspot

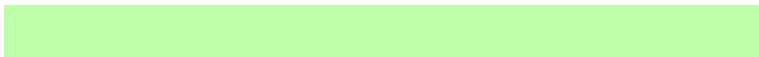
The Sweet Spot groups the original color and five complimentary colors.



85.9567, 0.2743, 0.3512



95.1042, 0.3005, 0.3349



85.2168, 0.3200, 0.4265



20.2199, 0.2988, 0.3358



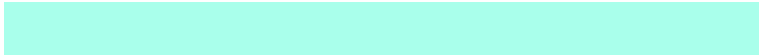
0.0000, 0.0000, 0.0000



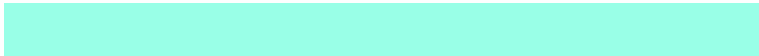
21.4041, 0.3127, 0.3290

Same Dimension

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



85.9567, 0.2743, 0.3512



84.0774, 0.2683, 0.3561



73.4242, 0.2614, 0.3032



20.4049, 0.3011, 0.3346



39.4700, 0.2461, 0.4058



3.8598, 0.2433, 0.3959

Inverse Universe

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



53.3450, 0.3735, 0.3083



47.2058, 0.3903, 0.3043



61.8240, 0.3842, 0.3532



18.0563, 0.3258, 0.3235



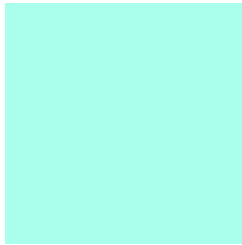
11.2943, 0.5989, 0.3073



1.1156, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 85.9532, 0.2743, 0.3512 looks on a white background.

Color Contrast Check

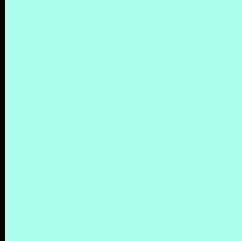
Large Text (above 18pt) WCAG AA × Fail

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 85.9532, 0.2743, 0.3512 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

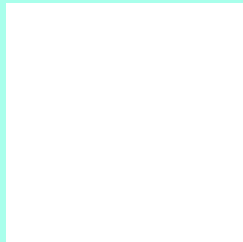
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9532, 0.2743, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 85.9532, 0.2743, 0.3512.

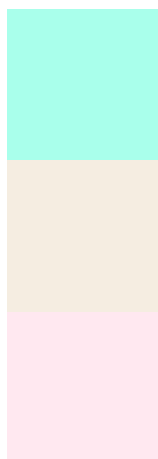


This preview shows how white text looks on a background with the Yxy color 85.9532, 0.2743, 0.3512.

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

85.9532, 0.2743, 0.3512

Protanopia

85.4171, 0.3256, 0.3412

Deuteranopia

85.2645, 0.3233, 0.3212



Tritanopia

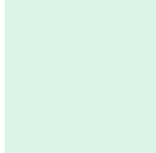
85.4767, 0.2849, 0.3175

Trichromacy



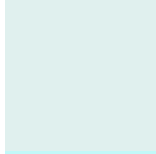
Original Color

85.9532, 0.2743, 0.3512



Protanomaly

85.1102, 0.3043, 0.3448



Deuteranomaly

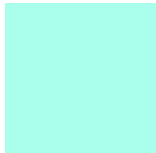
84.3405, 0.3035, 0.3311



Tritanomaly

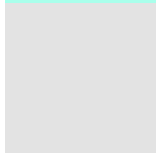
85.3814, 0.2803, 0.3289

Monochromacy



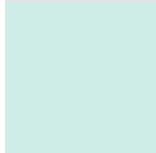
Original Color

85.9532, 0.2743, 0.3512



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4034, 0.2968, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9532, 0.2743, 0.3512 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 85.9532, 0.2743, 0.3512 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, 235) }
```

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

```
.border{ border-color:rgb(169, 255, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 235); box-shadow:4px 4px 4px 4px rgb(169, 255, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9532, 0.2743, 0.3512 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, 235) }
```

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

```
.background{ background-color: rgb(169,  
255, 235) }
```

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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