

Converting Colors

$Y_{xy}(100.0000, 0.2742, 0.3741)$

Have a look what the booklet for
Yxy(100.0000, 0.2742, 0.3741)
contains.

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Color

Yxy(85.4107, 0.2718, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFEB
RGB	164, 255, 235
RGB Percent	64%, 100%, 92%
CMY	0.3568, 0.0000, 0.0785
CMYK	0.36, 0.00, 0.08, 0.00
HSL	167°, 100%, 82%
HSV	167°, 36%, 100%
XYZ	66.0633, 85.4107, 91.5844
YIQ	225.5110, -47.8160, -25.5120

Conversions

Conversions Part 2

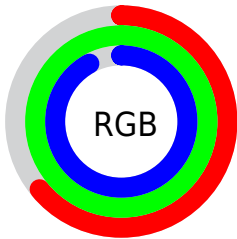
Format	Color
RYB	164, 215, 255
Decimal	10813419
CIELab	94.06, -31.49, 0.97
CIElCh	94, 31.506, 178.243
Yxy	85.4107, 0.2718, 0.3514
Android (android.graphics.Color)	4289003499 (0xFFA4FFEB)
YUV	225.5110, 4.6781, -53.9451
Hunter-Lab	92.4179, -34.1339, 5.9373

Details

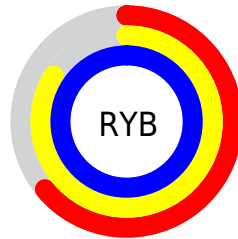
The Yxy color **85.4107, 0.2718, 0.3514** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2753, 0.3797, 0.3082**, and the grayscale version is **75.6727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.8310, 0.2630, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **82.6444, 0.2628, 0.3588**, and if you desaturate by 10%, it is **88.7302, 0.2822, 0.3444**.

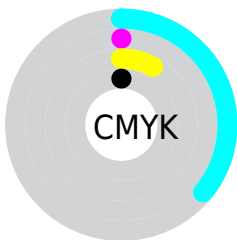
Distribution



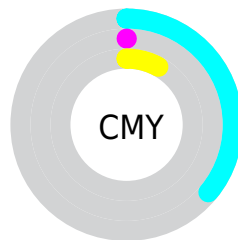
- Red (64%)
- Green (100%)
- Blue (92%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4107, 0.2718, 0.3514 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 85.4107, 0.2718, 0.3514 by changing the saturation by 10% instead.


 85.4107, 0.2718,
0.3514


 85.4107, 0.2718,
0.3514


512.9861, 0.2902,
0.3413

 64.1808, 0.2677,
0.3536


 140.9468, 0.2781,
0.3480

 46.7971, 0.2628,
0.3564


 176.0219, 0.2805,
0.3466

 32.8753, 0.2566,
0.3598


216.4807, 0.2827,
0.3454

 22.0309, 0.2487,
0.3642

262.7078, 0.2845,
0.3444

 13.8796, 0.2383,
0.3700

315.0874, 0.2862,
0.3435

 8.0370, 0.2239,
0.3781

374.0041, 0.2877,

 4.1186, 0.2027,

0.3427

0.3901

439.8422, 0.2890,
0.3420

■ 1.7401, 0.1676,
0.4103

■ 0.4494, 0.0000,
0.5159

■ 85.4107, 0.2718,
0.3514

■ 85.4107, 0.2718,
0.3514

■ 82.6444, 0.2628,
0.3588

■ 88.7302, 0.2822,
0.3444

■ 80.3999, 0.2553,
0.3666

■ 92.6343, 0.2935,
0.3380

■ 78.6404, 0.2497,
0.3747

■ 97.1504, 0.3056,
0.3321

■ 77.3250, 0.2461,
0.3828

100.0000, 0.3127,
0.3290

■ 76.4057, 0.2444,
0.3911

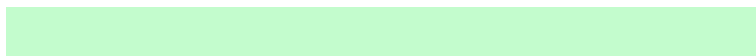
■ 75.8231, 0.2447,
0.3992

■ 75.6386, 0.2452,
0.4027

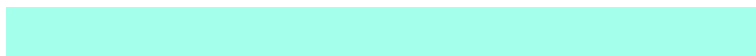
Harmonies

Analogous

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



85.4107, 0.3040, 0.3808



85.4107, 0.2718, 0.3514



85.4107, 0.2511, 0.3165

Triad

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



85.4107, 0.2718, 0.3514



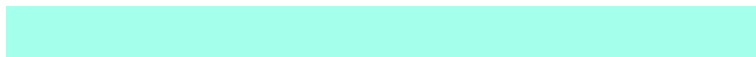
85.4107, 0.2832, 0.2715



85.4107, 0.3841, 0.3645

Complementary

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



85.4107, 0.2718, 0.3514



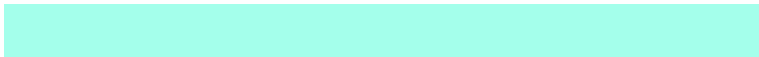
51.2753, 0.3797, 0.3082

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.



85.4107, 0.3784, 0.3357



85.4107, 0.2718, 0.3514



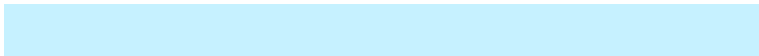
85.4107, 0.3183, 0.2840

Square

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



85.4107, 0.2718, 0.3514



85.4107, 0.2574, 0.2724



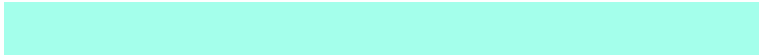
85.4107, 0.3538, 0.3069



85.4107, 0.3695, 0.3864

Rectangle

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



85.4107, 0.2718, 0.3514



85.4107, 0.2459, 0.2963



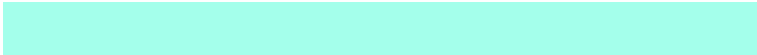
85.4107, 0.3538, 0.3069



85.4107, 0.3845, 0.3553

Sweetspot

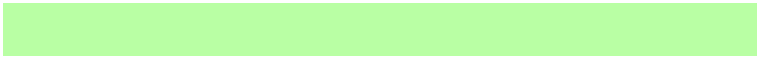
The Sweet Spot groups the original color and five complimentary colors.



85.4102, 0.2718, 0.3514



94.6716, 0.2991, 0.3352



84.5446, 0.3203, 0.4331



20.1344, 0.2975, 0.3360



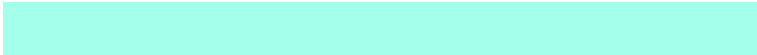
0.0000, 0.0000, 0.0000



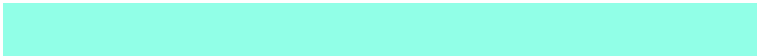
21.4041, 0.3127, 0.3290

Same Dimension

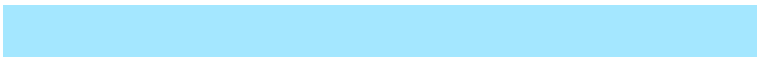
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4102, 0.2718, 0.3514



83.3340, 0.2650, 0.3568



72.1170, 0.2586, 0.3014



20.4090, 0.3009, 0.3343



39.5461, 0.2448, 0.4013



3.8666, 0.2422, 0.3920

Inverse Universe

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



51.2753, 0.3797, 0.3082



44.5004, 0.4005, 0.3040



60.0233, 0.3899, 0.3547



18.0525, 0.3260, 0.3238



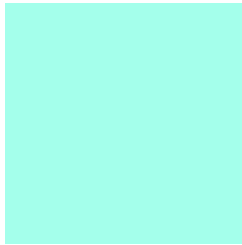
11.2765, 0.6025, 0.3093



1.1134, 0.5719, 0.2924

Previews

White Background



This preview shows how the Yxy color 85.4107, 0.2718, 0.3514 looks on a white background.

Color Contrast Check

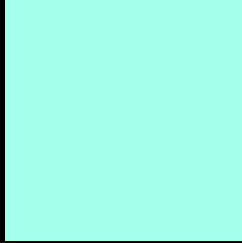
Large Text (above 18pt) WCAG AA × Fail

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 85.4107, 0.2718, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

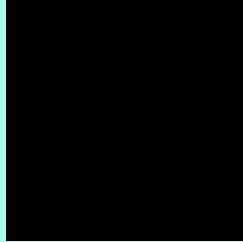
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

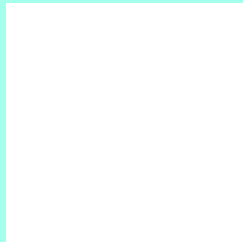
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4107, 0.2718, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 85.4107, 0.2718, 0.3514.

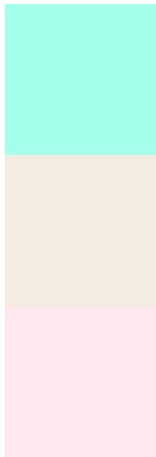


This preview shows how white text looks on a background with the Yxy color 85.4107, 0.2718, 0.3514.

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

85.4107, 0.2718, 0.3514

Protanopia

84.6058, 0.3257, 0.3412

Deuteranopia

84.7031, 0.3234, 0.3202



Tritanopia

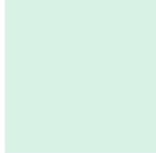
85.0432, 0.2831, 0.3174

Trichromacy



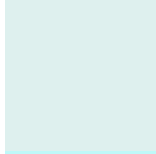
Original Color

85.4107, 0.2718, 0.3514



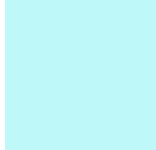
Protanomaly

84.1497, 0.3036, 0.3449



Deuteranomaly

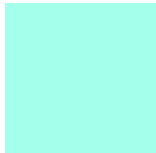
84.0228, 0.3023, 0.3311



Tritanomaly

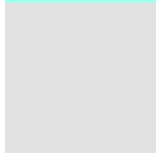
84.9885, 0.2786, 0.3289

Monochromacy



Original Color

85.4107, 0.2718, 0.3514



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.9220, 0.2955, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4107, 0.2718, 0.3514 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 85.4107, 0.2718, 0.3514 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, 235) }
```

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

```
.border{ border-color:rgb(164, 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(164, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4107, 0.2718, 0.3514 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, 235) }
```

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

```
.background{ background-color: rgb(164,  
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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