

# Converting Colors

$Yxy(84.4438, 0.2718, 0.3586)$

Have a look what the booklet for  
Yxy(84.4438, 0.2718, 0.3586)  
contains.

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# Color

**Yxy(84.4462, 0.2718, 0.3586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFE5
RGB	158, 255, 229
RGB Percent	62%, 100%, 90%
CMY	0.3802, 0.0000, 0.1021
CMYK	0.38, 0.00, 0.10, 0.00
HSL	164°, 100%, 81%
HSV	164°, 38%, 100%
XYZ	64.0058, 84.4462, 87.0366
YIQ	223.0330, -49.4660, -28.6500

# Conversions

## Conversions Part 2

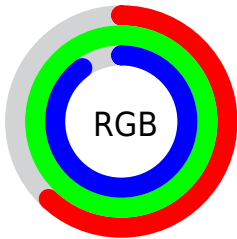
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 214, 255
Decimal	10420197
CIE <sub>Lab</sub>	93.64, -34.34, 3.43
CIE <sub>LCh</sub>	94, 34.515, 174.301
Yxy	84.4462, 0.2718, 0.3586
Android (android.graphics.Color)	4288610277 (0xFF9EFFE5)
<b>YUV</b>	223.0330, 2.9417, -57.0339
Hunter-Lab	91.8946, -36.4880, 8.1706

# Details

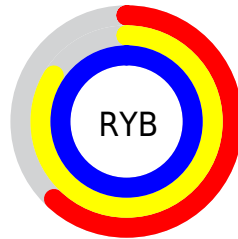
The Yxy color **84.4462, 0.2718, 0.3586** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.1903, 0.3814, 0.3019**, and the grayscale version is **73.8278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **46.2109, 0.2622, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **81.7502, 0.2636, 0.3679**, and if you desaturate by 10%, it is **87.6992, 0.2814, 0.3499**.

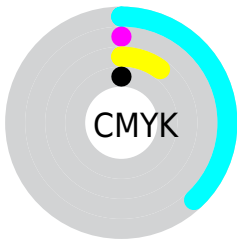
# Distribution



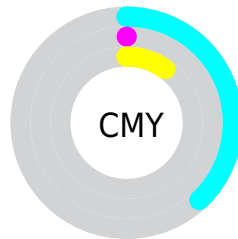
- Red (62%)
- Green (100%)
- Blue (90%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4462, 0.2718, 0.3586 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 84.4462, 0.2718, 0.3586 by changing the saturation by 10% instead.





 84.4462, 0.2718,  
0.3586


 84.4462, 0.2718,  
0.3586


509.7938, 0.2903,  
0.3451

 63.3839, 0.2677,  
0.3616


 139.5992, 0.2781,  
0.3539

 46.1518, 0.2627,  
0.3654


 174.4586, 0.2806,  
0.3521

 32.3657, 0.2564,  
0.3701


214.6859, 0.2828,  
0.3506

 21.6409, 0.2483,  
0.3762

260.6654, 0.2846,  
0.3492

 13.5933, 0.2376,  
0.3844

312.7816, 0.2863,  
0.3480

 7.8384, 0.2227,  
0.3960

371.4188, 0.2878,

 3.9917, 0.2005,

0.3469

0.4136

436.9614, 0.2891,  
0.3460

1.6689, 0.1596,  
0.4460

0.4034, 0.0000,  
0.6690

84.4462, 0.2718,  
0.3586

84.4462, 0.2718,  
0.3586

81.7502, 0.2636,  
0.3679

87.6992, 0.2814,  
0.3499

79.5694, 0.2569,  
0.3777

91.5318, 0.2920,  
0.3418

77.8692, 0.2521,  
0.3877

95.9751, 0.3033,  
0.3344

76.6073, 0.2494,  
0.3980

100.0000, 0.3127,  
0.3290

■ 75.7333, 0.2486,  
0.4082

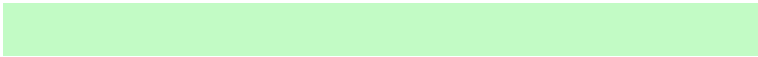
■ 75.1796, 0.2497,  
0.4183

■ 75.0891, 0.2501,  
0.4202

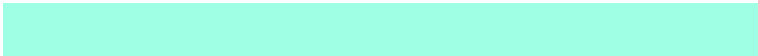
# Harmonies

## Analogous

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



84.4462, 0.3081, 0.3894



84.4462, 0.2718, 0.3586



84.4462, 0.2473, 0.3199

# Triad

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



84.4462, 0.2718, 0.3586



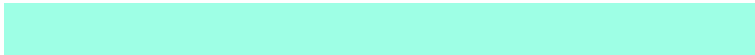
84.4462, 0.2758, 0.2655



84.4462, 0.3917, 0.3636

# Complementary

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



84.4462, 0.2718, 0.3586



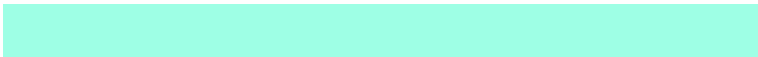
49.1903, 0.3814, 0.3019

# 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.



84.4462, 0.3825, 0.3317



84.4462, 0.2718, 0.3586



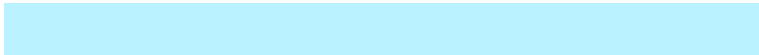
84.4462, 0.3134, 0.2774

# Square

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



84.4462, 0.2718, 0.3586



84.4462, 0.2495, 0.2683



84.4462, 0.3531, 0.3010

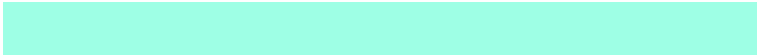


84.4462, 0.3782, 0.3894



# Rectangle

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



84.4462, 0.2718, 0.3586



84.4462, 0.2401, 0.2968



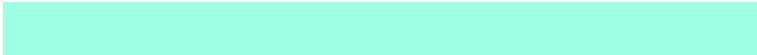
84.4462, 0.3531, 0.3010



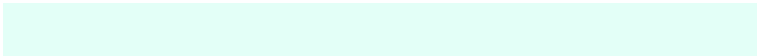
84.4462, 0.3912, 0.3533

# Sweetspot

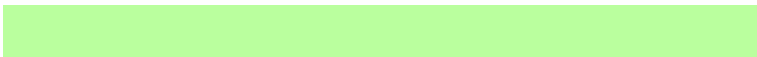
The Sweet Spot groups the original color and five complimentary colors.



84.4489, 0.2718, 0.3586



94.5873, 0.2999, 0.3365



84.3680, 0.3236, 0.4398



20.1142, 0.2983, 0.3375



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

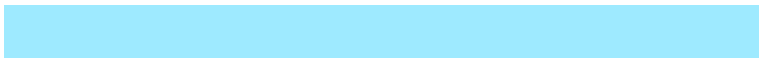
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4489, 0.2718, 0.3586



82.2534, 0.2651, 0.3660



73.3340, 0.2561, 0.3050



20.3933, 0.3016, 0.3355



39.2618, 0.2496, 0.4186



3.8410, 0.2464, 0.4070



# Inverse Universe

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



49.1903, 0.3814, 0.3019



42.2224, 0.4034, 0.2964



55.9891, 0.3988, 0.3513



18.0671, 0.3252, 0.3226



11.3507, 0.5877, 0.3011

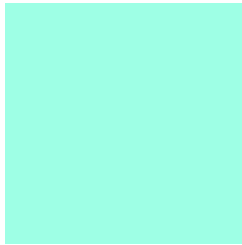


1.1224, 0.5559, 0.2836



# Previews

## White Background



This preview shows how the Yxy color 84.4462, 0.2718, 0.3586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

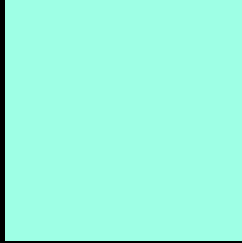
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.4462, 0.2718, 0.3586 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 84.4462, 0.2718, 0.3586**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4462, 0.2718, 0.3586.

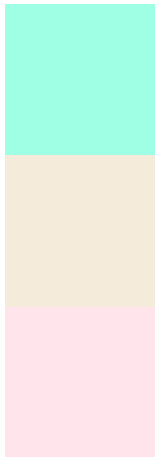


This preview shows how white text looks on a background with the Yxy color 84.4462, 0.2718, 0.3586.

# 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

84.4462, 0.2718, 0.3586

### Protanopia

83.7117, 0.3297, 0.3464

### Deuteranopia

83.2968, 0.3268, 0.3231



## Tritanopia

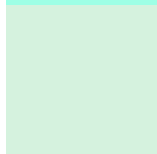
83.7387, 0.2802, 0.3162

# Trichromacy



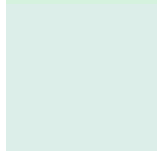
## Original Color

84.4462, 0.2718, 0.3586



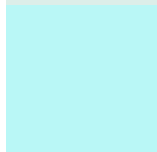
## Protanomaly

82.9243, 0.3059, 0.3505



## Deuteranomaly

82.2479, 0.3040, 0.3342



## Tritanomaly

83.4896, 0.2763, 0.3300

# Monochromacy



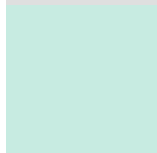
## Original Color

84.4462, 0.2718, 0.3586



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.9950, 0.2953, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4462, 0.2718, 0.3586 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(158, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 229)  
}
```

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(158, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4462, 0.2718, 0.3586 is called "border". The border property can be set on classes, ids or directly on the HTML element.

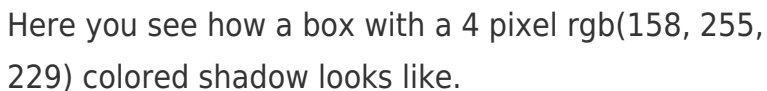
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 255, 229) }
```

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

```
.border{ border-color:rgb(158, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 255, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 255, 229); box-shadow:4px 4px 4px 4px rgb(158, 255, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4462, 0.2718, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 229) }
```

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

```
.background{ background-color: rgb(158,  
255, 229) }
```

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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