

# Converting Colors

$Yxy(82.5388, 0.2942, 0.4108)$

Have a look what the booklet for  
Yxy(82.5388, 0.2942, 0.4108)  
contains.

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# Color

**Yxy(82.5388, 0.2942, 0.4108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0FFBA
RGB	160, 255, 186
RGB Percent	63%, 100%, 73%
CMY	0.3728, 0.0000, 0.2706
CMYK	0.37, 0.00, 0.27, 0.00
HSL	136°, 100%, 81%
HSV	136°, 37%, 100%
XYZ	59.1113, 82.5388, 59.2720
YIQ	218.7290, -34.4710, -41.5990

# Conversions

## Conversions Part 2

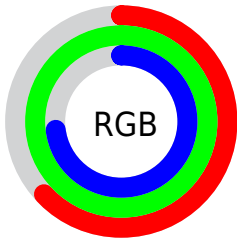
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 235, 255
Decimal	10551226
CIELab	92.81, -42.23, 24.30
CIELCh	93, 48.723, 150.077
Yxy	82.5388, 0.2942, 0.4108
Android (android.graphics.Color)	4288741306 (0xFFA0FFBA)
YUV	218.7290, -16.1354, -51.5053
Hunter-Lab	90.8509, -42.8496, 24.9142

# Details

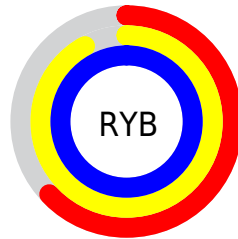
The Yxy color **82.5388, 0.2942, 0.4108** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.0345, 0.3388, 0.2595**, and the grayscale version is **70.7593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6825, 0.2970, 0.3423**, and **45.0247, 0.2885, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **79.4330, 0.2903, 0.4377**, and if you desaturate by 10%, it is **86.2734, 0.2988, 0.3857**.

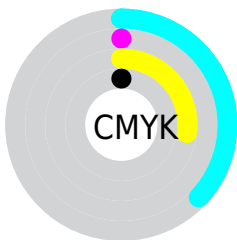
# Distribution



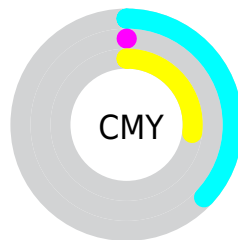
- Red (63%)
- Green (100%)
- Blue (73%)



- Red (63%)
- Yellow (92%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5388, 0.2942, 0.4108 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 82.5388, 0.2942, 0.4108 by changing the saturation by 10% instead.




 82.5388, 0.2942,  
0.4108

 82.5388, 0.2942,  
0.4108


503.4482, 0.3036,  
0.3717

 61.8098, 0.2918,  
0.4200


 136.9293, 0.2976,  
0.3970

 44.8790, 0.2888,  
0.4315


 171.3596, 0.2989,  
0.3917

 31.3621, 0.2848,  
0.4462


211.1257, 0.3000,  
0.3872

 20.8748, 0.2793,  
0.4658

256.6121, 0.3010,  
0.3833

 13.0325, 0.2712,  
0.4929

308.2032, 0.3018,  
0.3799

 7.4509, 0.2586,  
0.5328


366.2833, 0.3025,


 3.7457, 0.2366,

0.3768


0.5958


431.2368, 0.3031,  
0.3741

 1.5323, 0.1715,  
0.8285


 0.3113, 0.0000,  
1.0000


 82.5388, 0.2942,  
0.4108


 82.5388, 0.2942,  
0.4108


 79.4330, 0.2903,  
0.4377


 86.2734, 0.2988,  
0.3857

 76.9370, 0.2874,  
0.4657

 90.6889, 0.3038,  
0.3628

 75.0037, 0.2859,  
0.4937

 95.8109, 0.3089,  
0.3424

 73.5870, 0.2859,  
0.5204

100.0000, 0.3127,  
0.3290

■ 72.6328, 0.2875,  
0.5442

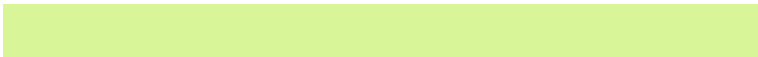
■ 72.0722, 0.2904,  
0.5640

■ 71.9612, 0.2913,  
0.5686

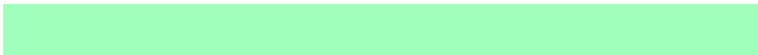
# Harmonies

## Analogous

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



82.5388, 0.3494, 0.4316



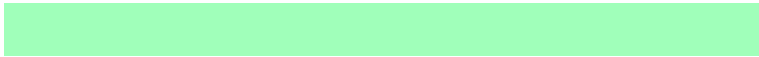
82.5388, 0.2942, 0.4108



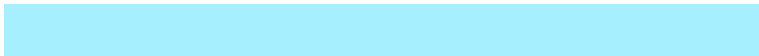
82.5388, 0.2466, 0.3605

# Triad

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



82.5388, 0.2942, 0.4108



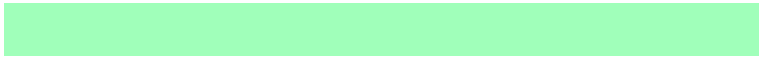
82.5388, 0.2304, 0.2423



82.5388, 0.4175, 0.3393

# Complementary

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



82.5388, 0.2942, 0.4108



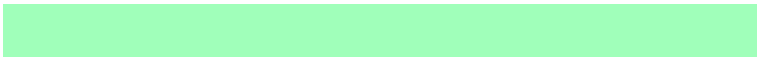
52.0345, 0.3388, 0.2595

# 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.



82.5388, 0.3798, 0.2971



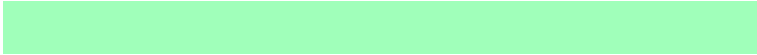
82.5388, 0.2942, 0.4108



82.5388, 0.2695, 0.2435

# Square

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



82.5388, 0.2942, 0.4108



82.5388, 0.2125, 0.2623



82.5388, 0.3239, 0.2631

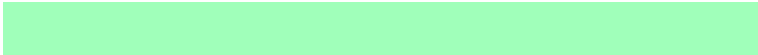


82.5388, 0.4233, 0.3827



# Rectangle

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



82.5388, 0.2942, 0.4108



82.5388, 0.2249, 0.3220



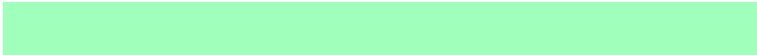
82.5388, 0.3239, 0.2631



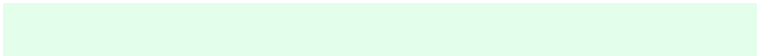
82.5388, 0.4081, 0.3247

# Sweetspot

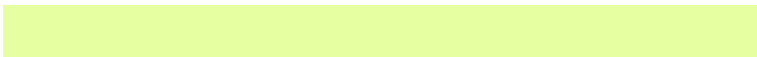
The Sweet Spot groups the original color and five complimentary colors.



82.5328, 0.2942, 0.4108



93.8202, 0.3070, 0.3497



90.8212, 0.3515, 0.4279



19.9315, 0.3063, 0.3525



0.0000, 0.0000, 0.0000

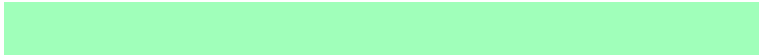


21.4041, 0.3127, 0.3290



# Same Dimension

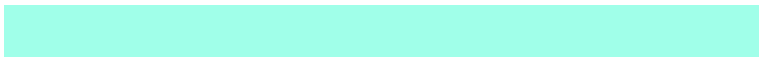
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5328, 0.2942, 0.4108



80.0848, 0.2911, 0.4315



84.8603, 0.2709, 0.3540



20.2500, 0.3078, 0.3467



37.6227, 0.2905, 0.5659



3.6806, 0.2845, 0.5441



# Inverse Universe

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



52.0345, 0.3388, 0.2595



45.4460, 0.3460, 0.2455



49.7633, 0.3827, 0.3059



18.2104, 0.3180, 0.3119



12.9674, 0.4053, 0.2006

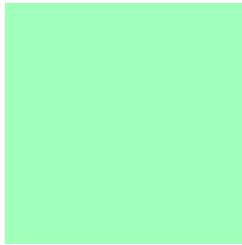


1.2810, 0.3934, 0.1941



# Previews

## White Background



This preview shows how the Yxy color 82.5388, 0.2942, 0.4108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

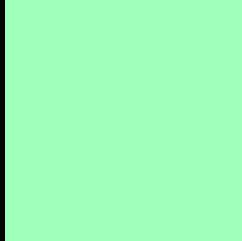
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5388, 0.2942, 0.4108 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 82.5388, 0.2942, 0.4108**

## Background



This preview shows how black text looks on a background with the Yxy color 82.5388, 0.2942, 0.4108.

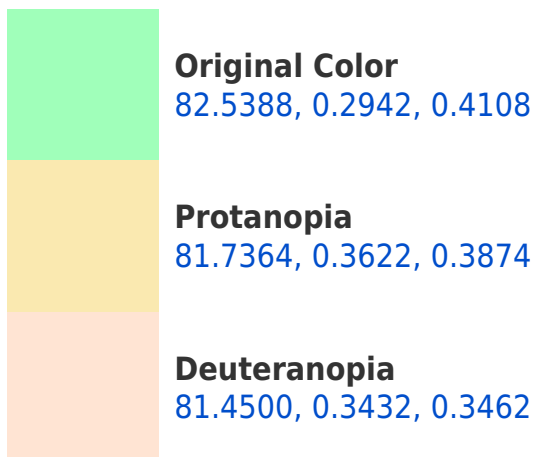


This preview shows how white text looks on a background with the Yxy color 82.5388, 0.2942, 0.4108.

# 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

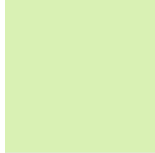
82.0009, 0.2777, 0.3140

# Trichromacy



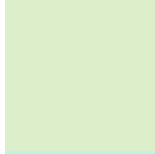
## Original Color

82.5388, 0.2942, 0.4108



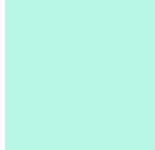
## Protanomaly

80.9576, 0.3341, 0.3959



## Deuteranomaly

80.6290, 0.3229, 0.3680



## Tritanomaly

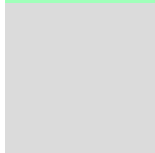
81.8151, 0.2840, 0.3468

# Monochromacy



## Original Color

82.5388, 0.2942, 0.4108



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2240, 0.3054, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5388, 0.2942, 0.4108 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(160, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 186)  
}
```

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(160, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5388, 0.2942, 0.4108 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(160, 255, 186) }
```

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

```
.border{ border-color:rgb(160, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5388, 0.2942, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 186) }
```

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

```
.background{ background-color: rgb(160,  
255, 186) }
```

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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