

# Converting Colors

$Y_{xy}(81.9656, 0.2665, 0.3631)$

Have a look what the booklet for  
Yxy(81.9656, 0.2665, 0.3631)  
contains.

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# Color

**Yxy(82.1595, 0.2666, 0.3628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FFEE1
RGB	143, 254, 225
RGB Percent	56%, 100%, 88%
CMY	0.4388, 0.0040, 0.1176
CMYK	0.44, 0.00, 0.11, 0.00
HSL	164°, 98%, 78%
HSV	164°, 44%, 100%
XYZ	60.3741, 82.1595, 83.9259
YIQ	217.5050, -56.8470, -32.5510

# Conversions

## Conversions Part 2

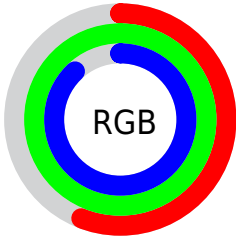
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 207, 254
Decimal	9436897
CIE <sub>Lab</sub>	92.65, -38.49, 3.94
CIE <sub>LCh</sub>	93, 38.692, 174.150
Yxy	82.1595, 0.2666, 0.3628
Android (android.graphics.Color)	4287626977 (0xFF8FFEE1)
YUV	217.5050, 3.6950, -65.3409
Hunter-Lab	90.6419, -39.7293, 8.5523

# Details

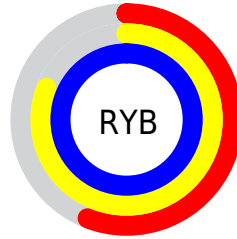
The Yxy color **82.1595, 0.2666, 0.3628** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.7230, 0.3975, 0.2988**, and the grayscale version is **69.7733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **44.7196, 0.2560, 0.3707** is the 20% darker color. If you saturate the color by 10%, you get **79.7898, 0.2592, 0.3721**, and if you desaturate by 10%, it is **85.0630, 0.2755, 0.3540**.

# Distribution



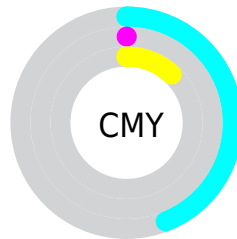
- Red (56%)
- Green (100%)
- Blue (88%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1595, 0.2666, 0.3628 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 82.1595, 0.2666, 0.3628 by changing the saturation by 10% instead.



 82.1595, 0.2666,  
0.3628

 82.1595, 0.2666,  
0.3628


502.1811, 0.2875,  
0.3473

 61.4970, 0.2619,  
0.3663


 136.3977, 0.2738,  
0.3574

 44.6264, 0.2562,  
0.3707


 170.7421, 0.2766,  
0.3553

 31.1633, 0.2490,  
0.3761


210.4160, 0.2790,  
0.3535

 20.7232, 0.2398,  
0.3832

255.8038, 0.2812,  
0.3520

 12.9218, 0.2275,  
0.3929

307.2897, 0.2830,  
0.3506

 7.3747, 0.2103,  
0.4066


365.2584, 0.2847,


 3.6975, 0.1848,


0.3493


0.4276


430.0940, 0.2862,  
0.3483


 1.5059, 0.1232,  
0.4744


 0.2928, 0.0000,  
0.8716


 82.1595, 0.2666,  
0.3628


 82.1595, 0.2666,  
0.3628


 79.7898, 0.2592,  
0.3721


 85.0630, 0.2755,  
0.3540


 77.9089, 0.2535,  
0.3818

 88.5225, 0.2857,  
0.3458

 76.4805, 0.2498,  
0.3916

 92.5706, 0.2967,  
0.3382

 75.4586, 0.2481,  
0.4016

 97.2345, 0.3084,  
0.3313

■ 74.7875, 0.2484,  
0.4114

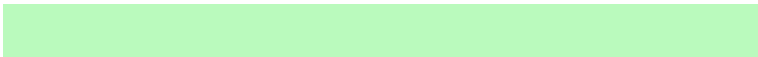
99.3572, 0.3128,  
0.3280

■ 74.4928, 0.2493,  
0.4176

# Harmonies

## Analogous

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



82.1595, 0.3074, 0.3982



82.1595, 0.2666, 0.3628



82.1595, 0.2393, 0.3185

# Triad

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



82.1595, 0.2666, 0.3628



82.1595, 0.2708, 0.2579



82.1595, 0.4021, 0.3672

# Complementary

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



82.1595, 0.2666, 0.3628



43.7230, 0.3975, 0.2988

# 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.



82.1595, 0.3917, 0.3314



82.1595, 0.2666, 0.3628



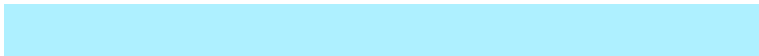
82.1595, 0.3130, 0.2711

# Square

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



82.1595, 0.2666, 0.3628



82.1595, 0.2417, 0.2608



82.1595, 0.3581, 0.2973



82.1595, 0.3867, 0.3967



# Rectangle

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



82.1595, 0.2666, 0.3628



82.1595, 0.2313, 0.2923



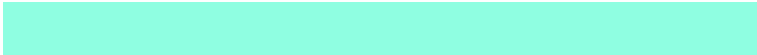
82.1595, 0.3581, 0.2973



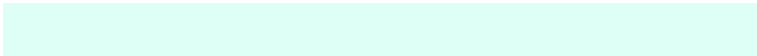
82.1595, 0.4016, 0.3555

# Sweetspot

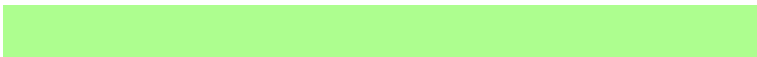
The Sweet Spot groups the original color and five complimentary colors.



82.1628, 0.2666, 0.3628



93.7007, 0.2975, 0.3378



81.7095, 0.3233, 0.4590



19.8496, 0.2950, 0.3394



0.0000, 0.0000, 0.0000

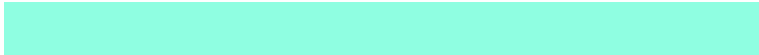


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.1628, 0.2666, 0.3628



80.8735, 0.2603, 0.3705



68.5528, 0.2483, 0.2986



20.3957, 0.3015, 0.3353



39.3026, 0.2489, 0.4160



3.8447, 0.2458, 0.4048



# Inverse Universe

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



43.7230, 0.3975, 0.2988



37.7130, 0.4233, 0.2938



51.4197, 0.4161, 0.3565



18.0650, 0.3253, 0.3228



11.3387, 0.5900, 0.3024

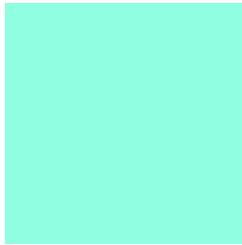


1.1210, 0.5583, 0.2849



# Previews

## White Background



This preview shows how the Yxy color 82.1595, 0.2666, 0.3628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

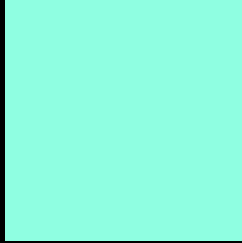
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1595, 0.2666, 0.3628 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

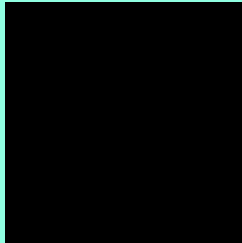
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

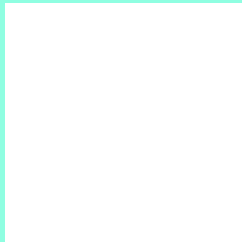
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1595, 0.2666, 0.3628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1595, 0.2666, 0.3628.

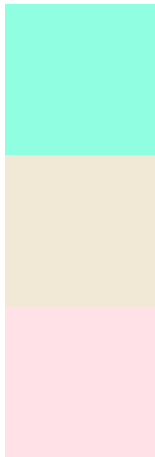


This preview shows how white text looks on a background with the Yxy color 82.1595, 0.2666, 0.3628.

# 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

82.1595, 0.2666, 0.3628

### Protanopia

81.2181, 0.3312, 0.3487

### Deuteranopia

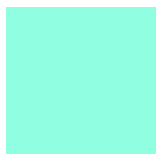
80.8799, 0.3299, 0.3231



## Tritanopia

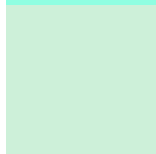
81.5431, 0.2734, 0.3149

# Trichromacy



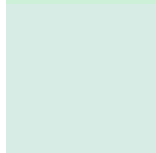
## Original Color

82.1595, 0.2666, 0.3628



## Protanomaly

80.3091, 0.3038, 0.3543



## Deuteranomaly

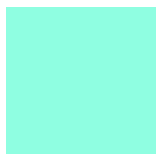
79.9442, 0.3025, 0.3365



## Tritanomaly

81.2138, 0.2703, 0.3311

# Monochromacy



## Original Color

82.1595, 0.2666, 0.3628



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

73.4487, 0.2924, 0.3403

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1595, 0.2666, 0.3628 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(143, 254, 225)` looks like.

```
.text, #text, p{  
    color:rgb(143, 254, 225)  
}
```

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(143, 254, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 254, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1595, 0.2666, 0.3628 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(143, 254, 225) }
```

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

```
.border{ border-color:rgb(143, 254, 225) }
```

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

Here you see how a box with a 4 pixel rgb(143, 254, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 254, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 254, 225);  
box-shadow:4px 4px 4px 4px rgb(143, 254,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1595, 0.2666, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 254, 225) }
```

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

```
.background{ background-color: rgb(143,  
254, 225) }
```

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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