

# Converting Colors

$Yxy(81.1686, 0.2683, 0.3679)$

Have a look what the booklet for  
Yxy(81.1686, 0.2683, 0.3679)  
contains.

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# Color

**Yxy(81.1686, 0.2683, 0.3679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFDDC
RGB	142, 253, 220
RGB Percent	56%, 99%, 86%
CMY	0.4433, 0.0078, 0.1372
CMYK	0.44, 0.00, 0.13, 0.01
HSL	162°, 97%, 77%
HSV	162°, 44%, 99%
XYZ	59.1942, 81.1686, 80.2640
YIQ	216.0490, -55.5630, -33.7950

# Conversions

## Conversions Part 2

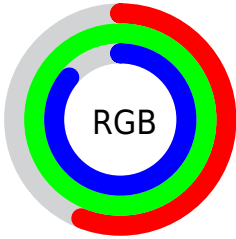
Format	Color
<a href="#">RYB</a>	<a href="#">142, 207, 253</a>
Decimal	<a href="#">9371100</a>
CIELab	<a href="#">92.21, -39.42, 5.89</a>
CIELCh	<a href="#">92, 39.857, 171.496</a>
Yxy	<a href="#">81.1686, 0.2683, 0.3679</a>
Android (android.graphics.Color)	<a href="#">4287561180 (0xFF8EFDDC)</a>
YUV	<a href="#">216.0490, 1.9478, -64.9410</a>
Hunter-Lab	<a href="#">90.0936, -40.3841, 10.2443</a>

# Details

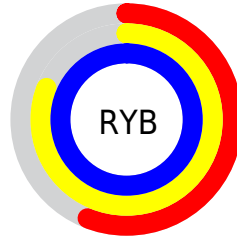
The Yxy color **81.1686, 0.2683, 0.3679** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.3117, 0.3938, 0.2945**, and the grayscale version is **68.7149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **44.0355, 0.2580, 0.3775** is the 20% darker color. If you saturate the color by 10%, you get **78.7935, 0.2612, 0.3786**, and if you desaturate by 10%, it is **84.0760, 0.2769, 0.3578**.

# Distribution



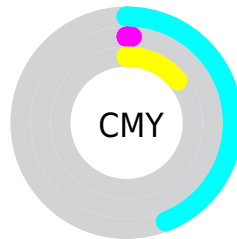
- Red (56%)
- Green (99%)
- Blue (86%)



- Red (56%)
- Yellow (81%)
- Blue (99%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1686, 0.2683, 0.3679 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 81.1686, 0.2683, 0.3679 by changing the saturation by 10% instead.



 81.1686, 0.2683,  
0.3679


 81.1686, 0.2683,  
0.3679


498.8624, 0.2886,  
0.3499

 60.6805, 0.2637,  
0.3720


 135.0075, 0.2753,  
0.3616

 43.9673, 0.2581,  
0.3771


 169.1270, 0.2780,  
0.3592

 30.6448, 0.2511,  
0.3836


208.5591, 0.2804,  
0.3571

 20.3286, 0.2420,  
0.3921


253.6882, 0.2824,  
0.3553

 12.6341, 0.2298,  
0.4037

304.8987, 0.2843,  
0.3537

 7.1771, 0.2126,  
0.4204


362.5750, 0.2859,


 3.5731, 0.1867,


0.3523


0.4464


427.1014, 0.2873,  
0.3510

 1.4377, 0.1141,  
0.5094


 0.2443, 0.0000,  
1.0000


 81.1686, 0.2683,  
0.3679


 81.1686, 0.2683,  
0.3679


 78.7935, 0.2612,  
0.3786


 84.0760, 0.2769,  
0.3578


 76.9057, 0.2559,  
0.3897

 87.5375, 0.2866,  
0.3484

 75.4692, 0.2525,  
0.4011

 91.5858, 0.2971,  
0.3397

 74.4382, 0.2512,  
0.4126

 96.2478, 0.3083,  
0.3318

■ 73.7571, 0.2519,  
0.4239

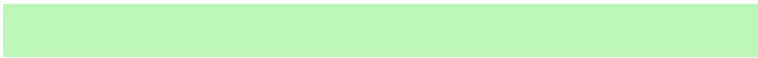
98.7368, 0.3128,  
0.3271

■ 73.4643, 0.2530,  
0.4308

# Harmonies

## Analogous

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



81.1686, 0.3112, 0.4029



81.1686, 0.2683, 0.3679



81.1686, 0.2386, 0.3219

# Triad

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



81.1686, 0.2683, 0.3679



81.1686, 0.2661, 0.2552



81.1686, 0.4054, 0.3651

# Complementary

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



81.1686, 0.2683, 0.3679



43.3117, 0.3938, 0.2945

# 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.



81.1686, 0.3922, 0.3281



81.1686, 0.2683, 0.3679



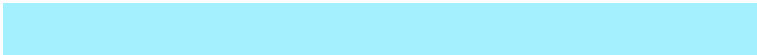
81.1686, 0.3088, 0.2675

# Square

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



81.1686, 0.2683, 0.3679



81.1686, 0.2376, 0.2597



81.1686, 0.3558, 0.2935



81.1686, 0.3915, 0.3966



# Rectangle

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



81.1686, 0.2683, 0.3679



81.1686, 0.2293, 0.2942



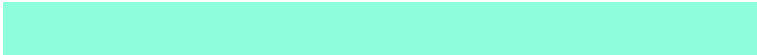
81.1686, 0.3558, 0.2935



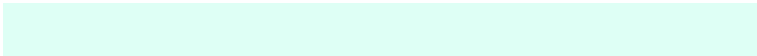
81.1686, 0.4040, 0.3529

# Sweetspot

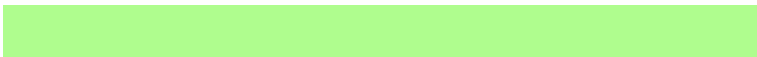
The Sweet Spot groups the original color and five complimentary colors.



81.1719, 0.2683, 0.3679



93.6276, 0.2981, 0.3390



81.3543, 0.3256, 0.4588



19.8315, 0.2957, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

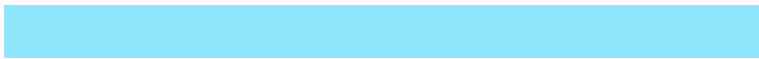
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1719, 0.2683, 0.3679



80.4005, 0.2618, 0.3777



69.8794, 0.2488, 0.3029



20.3841, 0.3020, 0.3362



39.1037, 0.2525, 0.4289



3.8266, 0.2489, 0.4161



# Inverse Universe

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



43.3117, 0.3938, 0.2945



37.1953, 0.4206, 0.2882



49.4477, 0.4188, 0.3528



18.0759, 0.3247, 0.3220



11.4025, 0.5779, 0.2957

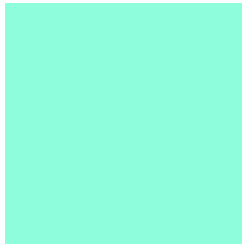


1.1284, 0.5458, 0.2781



# Previews

## White Background



This preview shows how the Yxy color 81.1686, 0.2683, 0.3679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

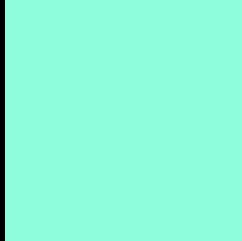
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1686, 0.2683, 0.3679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

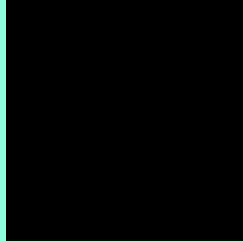
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.1686, 0.2683, 0.3679**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1686, 0.2683, 0.3679.



This preview shows how white text looks on a background with the Yxy color 81.1686, 0.2683, 0.3679.

# 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

81.1686, 0.2683, 0.3679

### Protanopia

80.4067, 0.3346, 0.3529

### Deuteranopia

80.0623, 0.3334, 0.3271



## Tritanopia

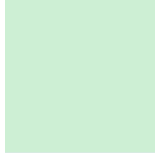
80.4449, 0.2711, 0.3137

# Trichromacy



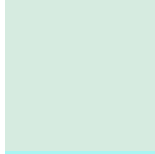
## Original Color

81.1686, 0.2683, 0.3679



## Protanomaly

79.4656, 0.3068, 0.3589



## Deuteranomaly

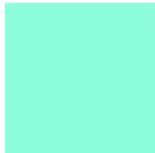
79.0946, 0.3055, 0.3409



## Tritanomaly

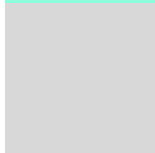
80.1506, 0.2696, 0.3322

# Monochromacy



## Original Color

81.1686, 0.2683, 0.3679



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.8672, 0.2935, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1686, 0.2683, 0.3679 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(142, 253, 220)` looks like.

```
.text, #text, p{  
    color:rgb(142, 253, 220)  
}
```

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(142, 253, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 253, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1686, 0.2683, 0.3679 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(142, 253, 220) }
```

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

```
.border{ border-color:rgb(142, 253, 220) }
```

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

Here you see how a box with a 4 pixel rgb(142, 253, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 253, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 253, 220);  
box-shadow:4px 4px 4px 4px rgb(142, 253,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1686, 0.2683, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 253, 220) }
```

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

```
.background{ background-color: rgb(142,  
253, 220) }
```

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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