

# Converting Colors

$Y_{xy}(82.9103, 0.2761, 0.3716)$

Have a look what the booklet for  
Yxy(82.9103, 0.2761, 0.3716)  
contains.

<b>Yxy(82.8619, 0.2760, 0.3720)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.8619, 0.2760, 0.3720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFED9
RGB	155, 254, 217
RGB Percent	61%, 100%, 85%
CMY	0.3923, 0.0039, 0.1490
CMYK	0.39, 0.00, 0.15, 0.00
HSL	158°, 98%, 80%
HSV	158°, 39%, 100%
XYZ	61.4782, 82.8619, 78.4070
YIQ	220.1810, -47.1270, -32.4950

# Conversions

## Conversions Part 2

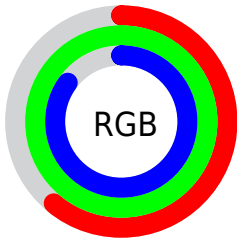
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 216, 254
Decimal	10223321
CIELab	92.95, -37.22, 8.59
CIELCh	93, 38.195, 167.008
Yxy	82.8619, 0.2760, 0.3720
Android (android.graphics.Color)	4288413401 (0xFF9BFED9)
YUV	220.1810, -1.5682, -57.1637
Hunter-Lab	91.0285, -38.7458, 12.6508

# Details

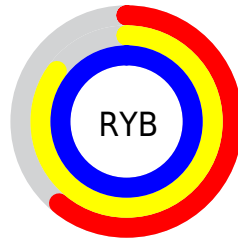
The Yxy color **82.8619, 0.2760, 0.3720** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.3046, 0.3734, 0.2905**, and the grayscale version is **71.7344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **45.1938, 0.2679, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **80.1321, 0.2689, 0.3854**, and if you desaturate by 10%, it is **86.1553, 0.2844, 0.3595**.

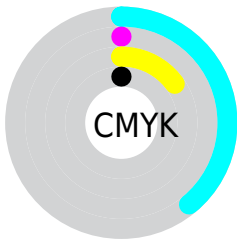
# Distribution



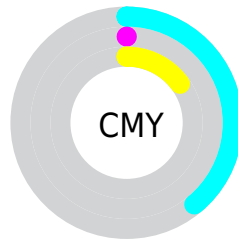
- Red (61%)
- Green (100%)
- Blue (85%)



- Red (61%)
- Yellow (85%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8619, 0.2760, 0.3720 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 82.8619, 0.2760, 0.3720 by changing the saturation by 10% instead.



 82.8619, 0.2760,  
0.3720


 82.8619, 0.2760,  
0.3720


504.5262, 0.2928,  
0.3520

 62.0762, 0.2722,  
0.3766

 137.3820, 0.2818,  
0.3650

 45.0943, 0.2675,  
0.3823


 171.8853, 0.2841,  
0.3623

 31.5317, 0.2616,  
0.3896


211.7298, 0.2860,  
0.3600

 21.0041, 0.2539,  
0.3991

257.3001, 0.2878,  
0.3580

 13.1270, 0.2436,  
0.4121

308.9805, 0.2893,  
0.3562

 7.5160, 0.2289,  
0.4310

367.1553, 0.2906,

 3.7869, 0.2065,

0.3546

0.4607

432.2091, 0.2918,  
0.3532

■ 1.5551, 0.1530,  
0.5235

■ 0.3270, 0.0000,  
1.0000

■ 82.8619, 0.2760,  
0.3720

■ 82.8619, 0.2760,  
0.3720

■ 80.1321, 0.2689,  
0.3854

■ 86.1553, 0.2844,  
0.3595

■ 77.9219, 0.2633,  
0.3994

■ 90.0333, 0.2936,  
0.3480

■ 76.1969, 0.2596,  
0.4140

■ 94.5277, 0.3035,  
0.3375

■ 74.9143, 0.2579,  
0.4287

99.3683, 0.3128,  
0.3281

■ 74.0231, 0.2583,  
0.4433

99.3706, 0.3128,  
0.3281

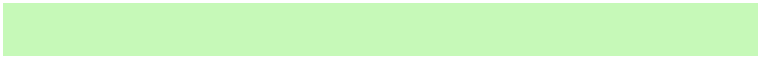
■ 73.4482, 0.2605,  
0.4575

■ 73.3986, 0.2608,  
0.4589

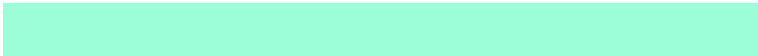
# Harmonies

## Analogous

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



82.8619, 0.3180, 0.4022



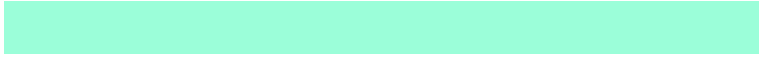
82.8619, 0.2760, 0.3720



82.8619, 0.2452, 0.3289

# Triad

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



82.8619, 0.2760, 0.3720



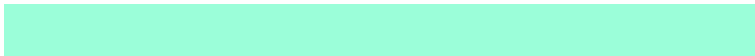
82.8619, 0.2632, 0.2580



82.8619, 0.4007, 0.3585

# Complementary

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



82.8619, 0.2760, 0.3720



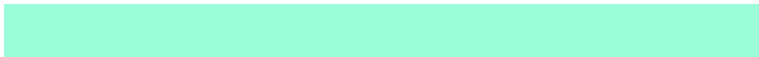
48.3046, 0.3734, 0.2905

# 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.



82.8619, 0.3844, 0.3230



82.8619, 0.2760, 0.3720



82.8619, 0.3024, 0.2675

# Square

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



82.8619, 0.2760, 0.3720



82.8619, 0.2384, 0.2651



82.8619, 0.3473, 0.2907



82.8619, 0.3913, 0.3899



# Rectangle

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



82.8619, 0.2760, 0.3720



82.8619, 0.2343, 0.3015



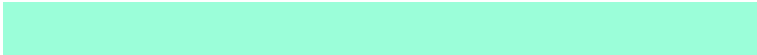
82.8619, 0.3473, 0.2907



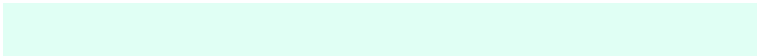
82.8619, 0.3980, 0.3467

# Sweetspot

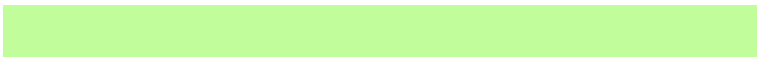
The Sweet Spot groups the original color and five complimentary colors.



82.8653, 0.2760, 0.3720



93.9369, 0.3005, 0.3406



84.5836, 0.3300, 0.4408



19.9772, 0.2992, 0.3419



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

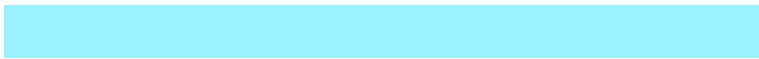
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8653, 0.2760, 0.3720



81.3482, 0.2702, 0.3827



77.8959, 0.2566, 0.3158



20.3596, 0.3030, 0.3380



38.7224, 0.2602, 0.4566



3.7914, 0.2556, 0.4403



# Inverse Universe

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



48.3046, 0.3734, 0.2905



41.9217, 0.3923, 0.2828



50.8970, 0.4061, 0.3415



18.0993, 0.3235, 0.3202



11.5693, 0.5491, 0.2799

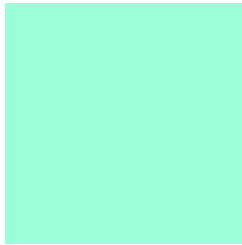


1.1468, 0.5181, 0.2628



# Previews

## White Background



This preview shows how the Yxy color 82.8619, 0.2760, 0.3720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

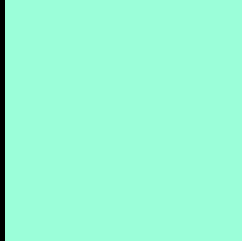
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8619, 0.2760, 0.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

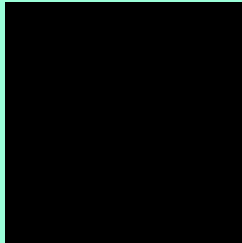
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

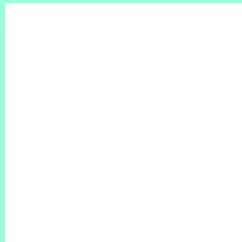
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8619, 0.2760, 0.3720**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8619, 0.2760, 0.3720.

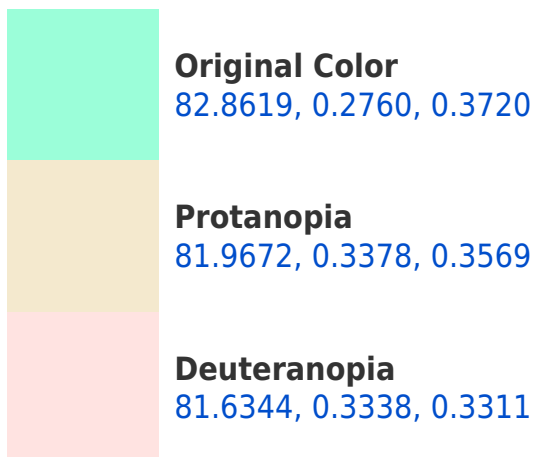


This preview shows how white text looks on a background with the Yxy color 82.8619, 0.2760, 0.3720.

# 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

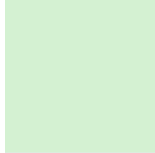
82.3264, 0.2767, 0.3150

# Trichromacy



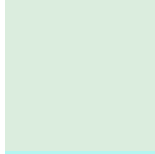
## Original Color

82.8619, 0.2760, 0.3720



## Protanomaly

81.5608, 0.3124, 0.3628



## Deuteranomaly

80.9024, 0.3100, 0.3450



## Tritanomaly

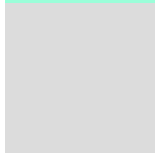
81.9657, 0.2760, 0.3344

# Monochromacy



## Original Color

82.8619, 0.2760, 0.3720



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.5635, 0.2968, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8619, 0.2760, 0.3720 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(155, 254, 217)` looks like.

```
.text, #text, p{  
    color:rgb(155, 254, 217)  
}
```

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(155, 254, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 254, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8619, 0.2760, 0.3720 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(155, 254, 217) }
```

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

```
.border{ border-color:rgb(155, 254, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 254, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 254, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 254, 217); box-shadow:4px 4px 4px 4px rgb(155, 254, 217) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8619, 0.2760, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 254, 217) }
```

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

```
.background{ background-color: rgb(155,  
254, 217) }
```

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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