

# Converting Colors

$Yxy(82.5111, 0.2679, 0.3696)$

Have a look what the booklet for  
Yxy(82.5111, 0.2679, 0.3696)  
contains.

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# Color

**Yxy(82.4032, 0.2677, 0.3689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFFDD
RGB	141, 255, 221
RGB Percent	55%, 100%, 87%
CMY	0.4471, 0.0000, 0.1332
CMYK	0.45, 0.00, 0.13, 0.00
HSL	162°, 100%, 78%
HSV	162°, 45%, 100%
XYZ	59.7976, 82.4032, 81.1746
YIQ	217.0380, -57.0300, -34.7420

# Conversions

## Conversions Part 2

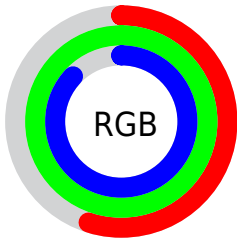
Format	Color
<a href="#">RYB</a>	<a href="#">141, 208, 255</a>
Decimal	<a href="#">9306077</a>
CIELab	<a href="#">92.75, -40.33, 6.15</a>
CIELCh	<a href="#">93, 40.793, 171.322</a>
Yxy	<a href="#">82.4032, 0.2677, 0.3689</a>
Android (android.graphics.Color)	<a href="#">4287496157 (0xFF8DFFDD)</a>
YUV	<a href="#">217.0380, 1.9533, -66.6853</a>
Hunter-Lab	<a href="#">90.7762, -41.2739, 10.5246</a>

# Details

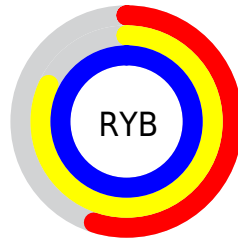
The Yxy color **82.4032, 0.2677, 0.3689** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.4046, 0.3960, 0.2938**, and the grayscale version is **69.4326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **44.9352, 0.2576, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **80.0245, 0.2608, 0.3797**, and if you desaturate by 10%, it is **85.3174, 0.2761, 0.3587**.

# Distribution



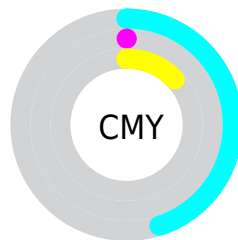
- Red (55%)
- Green (100%)
- Blue (87%)



- Red (55%)
- Yellow (82%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4032, 0.2677, 0.3689 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 82.4032, 0.2677, 0.3689 by changing the saturation by 10% instead.



 82.4032, 0.2677,  
0.3689


 82.4032, 0.2677,  
0.3689


502.9954, 0.2882,  
0.3504

 61.6979, 0.2631,  
0.3731


 136.7393, 0.2748,  
0.3625

 44.7887, 0.2574,  
0.3783


 171.1389, 0.2775,  
0.3600

 31.2910, 0.2504,  
0.3849


210.8721, 0.2799,  
0.3578

 20.8205, 0.2412,  
0.3936

256.3232, 0.2820,  
0.3560

 12.9929, 0.2290,  
0.4053

307.8767, 0.2838,  
0.3543

 7.4236, 0.2118,  
0.4222


365.9170, 0.2854,


 3.7284, 0.1861,


0.3529


0.4485

430.8284, 0.2869,  
0.3516


 1.5228, 0.1194,  
0.5086


 0.3047, 0.0000,  
1.0000

 82.4032, 0.2677,  
0.3689


 82.4032, 0.2677,  
0.3689


 80.0245, 0.2608,  
0.3797

 85.3174, 0.2761,  
0.3587


 78.1413, 0.2556,  
0.3909

 88.7958, 0.2858,  
0.3492

 76.7143, 0.2524,  
0.4023

 92.8696, 0.2963,  
0.3404

 75.6963, 0.2513,  
0.4138

 97.5668, 0.3074,  
0.3325

■ 75.0292, 0.2521,  
0.4252

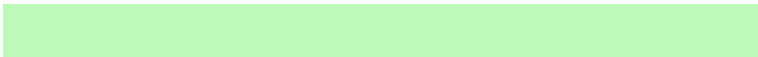
100.0000, 0.3127,  
0.3290

■ 74.7745, 0.2531,  
0.4311

# Harmonies

## Analogous

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



82.4032, 0.3113, 0.4045



82.4032, 0.2677, 0.3689



82.4032, 0.2375, 0.3220

# Triad

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



82.4032, 0.2677, 0.3689



82.4032, 0.2650, 0.2540



82.4032, 0.4071, 0.3654

# Complementary

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



82.4032, 0.2677, 0.3689



43.4046, 0.3960, 0.2938

# 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.



82.4032, 0.3936, 0.3277



82.4032, 0.2677, 0.3689



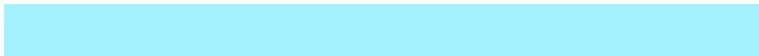
82.4032, 0.3084, 0.2664

# Square

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



82.4032, 0.2677, 0.3689



82.4032, 0.2362, 0.2586



82.4032, 0.3563, 0.2926



82.4032, 0.3930, 0.3976



# Rectangle

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



82.4032, 0.2677, 0.3689



82.4032, 0.2279, 0.2937



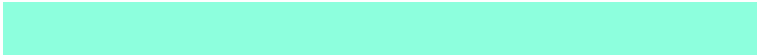
82.4032, 0.3563, 0.2926



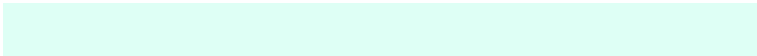
82.4032, 0.4057, 0.3530

# Sweetspot

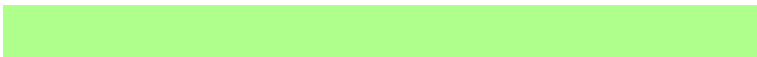
The Sweet Spot groups the original color and five complimentary colors.



82.4045, 0.2677, 0.3689



93.6258, 0.2981, 0.3390



82.5804, 0.3258, 0.4615



19.8310, 0.2957, 0.3408



0.0000, 0.0000, 0.0000

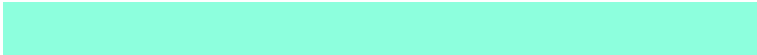


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.4045, 0.2677, 0.3689



80.1756, 0.2612, 0.3789



70.7089, 0.2478, 0.3024



20.3838, 0.3020, 0.3362



39.0989, 0.2526, 0.4293



3.8262, 0.2490, 0.4164



# Inverse Universe

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



43.4046, 0.3960, 0.2938



36.5330, 0.4236, 0.2875



49.6630, 0.4216, 0.3532



18.0762, 0.3247, 0.3219



11.4042, 0.5776, 0.2955

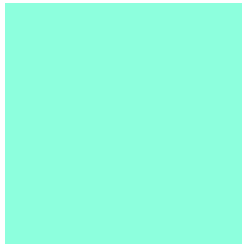


1.1286, 0.5455, 0.2779



# Previews

## White Background



This preview shows how the Yxy color 82.4032, 0.2677, 0.3689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

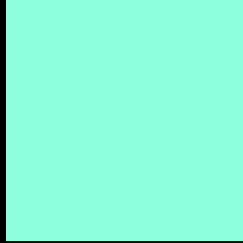
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4032, 0.2677, 0.3689 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

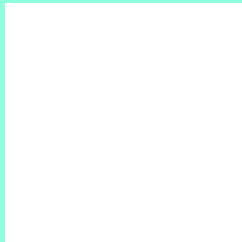
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4032, 0.2677, 0.3689**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4032, 0.2677, 0.3689.

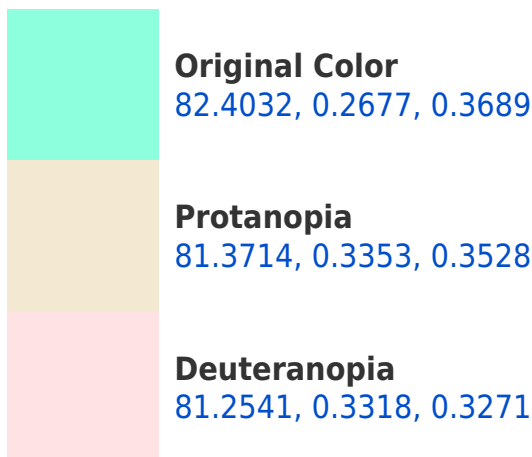


This preview shows how white text looks on a background with the Yxy color 82.4032, 0.2677, 0.3689.

# 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

81.6714, 0.2739, 0.3149

# Trichromacy



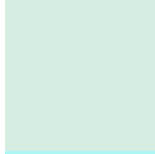
## Original Color

82.4032, 0.2677, 0.3689



## Protanomaly

80.2461, 0.3068, 0.3587



## Deuteranomaly

80.3008, 0.3049, 0.3419



## Tritanomaly

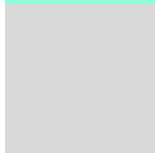
81.7632, 0.2709, 0.3333

# Monochromacy



## Original Color

82.4032, 0.2677, 0.3689



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.0326, 0.2929, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4032, 0.2677, 0.3689 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(141, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 221)  
}
```

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(141, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4032, 0.2677, 0.3689 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(141, 255, 221) }
```

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

```
.border{ border-color:rgb(141, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4032, 0.2677, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 221) }
```

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

```
.background{ background-color: rgb(141,  
255, 221) }
```

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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