

# Converting Colors

$Yxy(82.8606, 0.2647, 0.3683)$

Have a look what the booklet for  
Yxy(82.8606, 0.2647, 0.3683)  
contains.

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**Color**

**Yxy(82.0820, 0.2646, 0.3667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88FFDF
RGB	136, 255, 223
RGB Percent	53%, 100%, 87%
CMY	0.4668, 0.0000, 0.1255
CMYK	0.47, 0.00, 0.13, 0.00
HSL	164°, 100%, 77%
HSV	164°, 47%, 100%
XYZ	59.2280, 82.0820, 82.5297
YIQ	215.7710, -60.6520, -35.1800

# Conversions

## Conversions Part 2

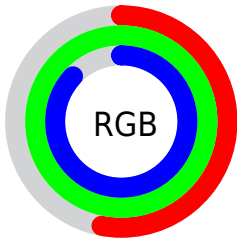
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 205, 255
Decimal	8978399
CIELab	92.61, -41.08, 4.91
CIELCh	93, 41.373, 173.188
Yxy	82.0820, 0.2646, 0.3667
Android (android.graphics.Color)	4287168479 (0xFF88FFDF)
YUV	215.7710, 3.5639, -69.9592
Hunter-Lab	90.5991, -41.8564, 9.4102

# Details

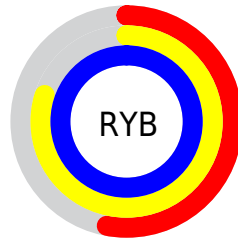
The Yxy color **82.0820, 0.2646, 0.3667** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.6861, 0.4054, 0.2959**, and the grayscale version is **68.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **44.7518, 0.2540, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **79.8303, 0.2577, 0.3764**, and if you desaturate by 10%, it is **84.8509, 0.2730, 0.3574**.

# Distribution



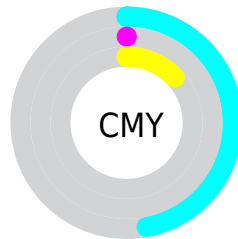
- Red (53%)
- Green (100%)
- Blue (87%)



- Red (53%)
- Yellow (80%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0820, 0.2646, 0.3667 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 82.0820, 0.2646, 0.3667 by changing the saturation by 10% instead.




 82.0820, 0.2646,  
0.3667


 82.0820, 0.2646,  
0.3667


501.9219, 0.2865,  
0.3493

 61.4331, 0.2597,  
0.3707


 136.2890, 0.2721,  
0.3607

 44.5748, 0.2537,  
0.3755


 170.6159, 0.2750,  
0.3583

 31.1227, 0.2462,  
0.3817


210.2709, 0.2776,  
0.3563

 20.6923, 0.2365,  
0.3898

255.6385, 0.2798,  
0.3545

 12.8992, 0.2236,  
0.4007

307.1030, 0.2818,  
0.3530

 7.3592, 0.2056,  
0.4162

365.0488, 0.2835,

 3.6877, 0.1788,

0.3516

0.4403

429.8603, 0.2851,  
0.3504

■ 1.5005, 0.1074,  
0.4972

■ 0.2891, 0.0000,  
1.0000

■ 82.0820, 0.2646,  
0.3667

■ 82.0820, 0.2646,  
0.3667

■ 79.8303, 0.2577,  
0.3764

■ 84.8509, 0.2730,  
0.3574

■ 78.0674, 0.2527,  
0.3865

■ 88.1784, 0.2828,  
0.3488

■ 76.7488, 0.2497,  
0.3967

■ 92.0923, 0.2935,  
0.3408

■ 75.8256, 0.2487,  
0.4070

■ 96.6206, 0.3049,  
0.3335

■ 75.2364, 0.2496,  
0.4171

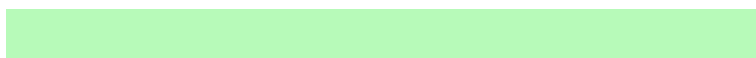
100.0000, 0.3127,  
0.3290

■ 75.0838, 0.2501,  
0.4204

# Harmonies

## Analogous

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



82.0820, 0.3083, 0.4042



82.0820, 0.2646, 0.3667



82.0820, 0.2351, 0.3189

# Triad

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



82.0820, 0.2646, 0.3667



82.0820, 0.2667, 0.2532



82.0820, 0.4084, 0.3681

# Complementary

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



82.0820, 0.2646, 0.3667



41.6861, 0.4054, 0.2959

# 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.



82.0820, 0.3965, 0.3300



82.0820, 0.2646, 0.3667



82.0820, 0.3113, 0.2668

# Square

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



82.0820, 0.2646, 0.3667



82.0820, 0.2364, 0.2567



82.0820, 0.3598, 0.2941



82.0820, 0.3925, 0.4002



# Rectangle

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



82.0820, 0.2646, 0.3667



82.0820, 0.2263, 0.2907



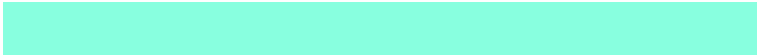
82.0820, 0.3598, 0.2941



82.0820, 0.4076, 0.3556

# Sweetspot

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



82.0793, 0.2646, 0.3667



93.2438, 0.2965, 0.3388



81.8089, 0.3248, 0.4685



19.7587, 0.2941, 0.3404



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

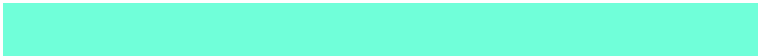


# Same Dimension

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



82.0793, 0.2646, 0.3667



79.9671, 0.2582, 0.3757



68.6068, 0.2449, 0.2986



20.3932, 0.3016, 0.3355



39.2591, 0.2497, 0.4187



3.8408, 0.2464, 0.4072



# Inverse Universe

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



41.6861, 0.4054, 0.2959



35.1138, 0.4354, 0.2906



48.7929, 0.4276, 0.3562



18.0673, 0.3252, 0.3226



11.3516, 0.5875, 0.3010

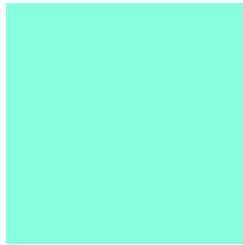


1.1225, 0.5557, 0.2835



# Previews

## White Background



This preview shows how the Yxy color 82.0820, 0.2646, 0.3667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

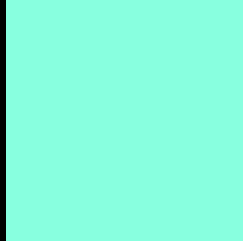
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0820, 0.2646, 0.3667 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

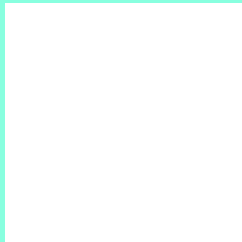
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0820, 0.2646, 0.3667**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0820, 0.2646, 0.3667.

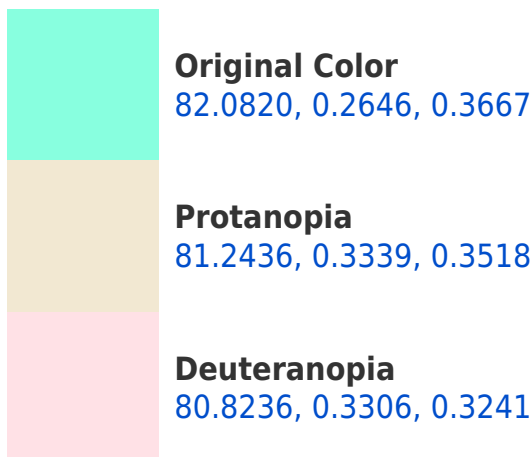


This preview shows how white text looks on a background with the Yxy color 82.0820, 0.2646, 0.3667.

# 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

81.2891, 0.2723, 0.3149

# Trichromacy



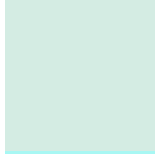
## Original Color

82.0820, 0.2646, 0.3667



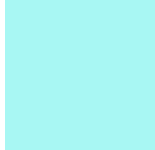
## Protanomaly

79.9230, 0.3037, 0.3566



## Deuteranomaly

79.5340, 0.3024, 0.3387



## Tritanomaly

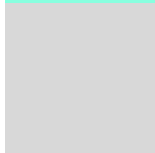
81.3174, 0.2689, 0.3334

# Monochromacy



## Original Color

82.0820, 0.2646, 0.3667



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.2729, 0.2910, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0820, 0.2646, 0.3667 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(136, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 223)  
}
```

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(136, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0820, 0.2646, 0.3667 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(136, 255, 223) }
```

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

```
.border{ border-color:rgb(136, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0820, 0.2646, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 223) }
```

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

```
.background{ background-color: rgb(136,  
255, 223) }
```

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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