

# Converting Colors

$Yxy(83.1629, 0.2645, 0.3665)$

Have a look what the booklet for  
Yxy(83.1629, 0.2645, 0.3665)  
contains.

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# Color

**Yxy(82.2202, 0.2646, 0.3654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FFE0
RGB	137, 255, 224
RGB Percent	54%, 100%, 88%
CMY	0.4625, 0.0000, 0.1215
CMYK	0.46, 0.00, 0.12, 0.00
HSL	164°, 100%, 77%
HSV	164°, 46%, 100%
XYZ	59.5388, 82.2202, 83.2553
YIQ	216.1840, -60.3770, -34.6570

# Conversions

## Conversions Part 2

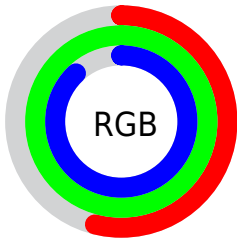
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 205, 255
Decimal	9043936
CIELab	92.67, -40.60, 4.48
CIELCh	93, 40.844, 173.704
Yxy	82.2202, 0.2646, 0.3654
Android (android.graphics.Color)	4287234016 (0xFF89FFE0)
YUV	216.1840, 3.8533, -69.4444
Hunter-Lab	90.6754, -41.4762, 9.0345

# Details

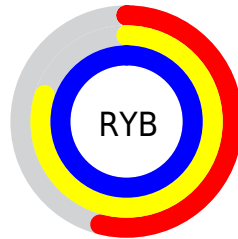
The Yxy color **82.2202, 0.2646, 0.3654** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.9981, 0.4049, 0.2970**, and the grayscale version is **68.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **44.8305, 0.2538, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **79.9594, 0.2576, 0.3749**, and if you desaturate by 10%, it is **85.0111, 0.2732, 0.3564**.

# Distribution



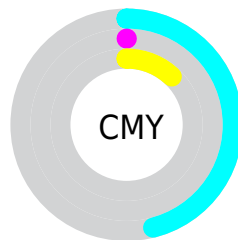
- Red (54%)
- Green (100%)
- Blue (88%)



- Red (54%)
- Yellow (80%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2202, 0.2646, 0.3654 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 82.2202, 0.2646, 0.3654 by changing the saturation by 10% instead.





 82.2202, 0.2646,  
0.3654


 82.2202, 0.2646,  
0.3654


502.3840, 0.2864,  
0.3486

 61.5471, 0.2597,  
0.3692

 136.4828, 0.2721,  
0.3596

 44.6668, 0.2537,  
0.3739


 170.8410, 0.2750,  
0.3573

 31.1951, 0.2463,  
0.3798


210.5296, 0.2776,  
0.3554

 20.7474, 0.2366,  
0.3875

255.9332, 0.2798,  
0.3537

 12.9395, 0.2238,  
0.3980

307.4360, 0.2818,  
0.3522

 7.3869, 0.2058,  
0.4129


365.4225, 0.2835,


 3.7052, 0.1792,


0.3509


430.2770, 0.2850,  
0.3497


0.4357


 1.5101, 0.1108,  
0.4889


 0.2958, 0.0000,  
0.9708


 82.2202, 0.2646,  
0.3654


 82.2202, 0.2646,  
0.3654


 79.9594, 0.2576,  
0.3749


 85.0111, 0.2732,  
0.3564


 78.1824, 0.2525,  
0.3847

 88.3553, 0.2830,  
0.3480

 76.8509, 0.2493,  
0.3946

 92.2863, 0.2938,  
0.3402

 75.9165, 0.2481,  
0.4046

 96.8322, 0.3053,  
0.3331

■ 75.3189, 0.2489,  
0.4145

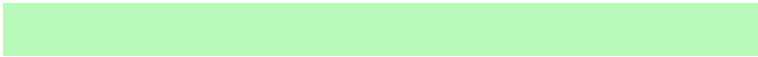
99.9976, 0.3127,  
0.3290

■ 75.1478, 0.2495,  
0.4182

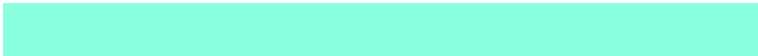
# Harmonies

## Analogous

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



82.2202, 0.3076, 0.4027



82.2202, 0.2646, 0.3654



82.2202, 0.2357, 0.3183

# Triad

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



82.2202, 0.2646, 0.3654



82.2202, 0.2679, 0.2542



82.2202, 0.4071, 0.3683

# Complementary

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



82.2202, 0.2646, 0.3654



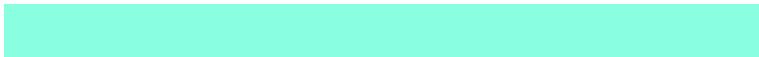
41.9981, 0.4049, 0.2970

# 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.



82.2202, 0.3958, 0.3307



82.2202, 0.2646, 0.3654



82.2202, 0.3122, 0.2679

# Square

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



82.2202, 0.2646, 0.3654



82.2202, 0.2377, 0.2574



82.2202, 0.3599, 0.2951

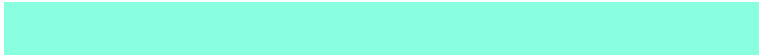


82.2202, 0.3910, 0.3998



# Rectangle

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



82.2202, 0.2646, 0.3654



82.2202, 0.2272, 0.2907



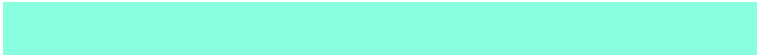
82.2202, 0.3599, 0.2951



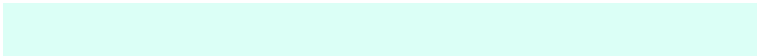
82.2202, 0.4065, 0.3560

# Sweetspot

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



82.2235, 0.2646, 0.3654



93.2571, 0.2964, 0.3385



81.7068, 0.3236, 0.4676



19.7620, 0.2939, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

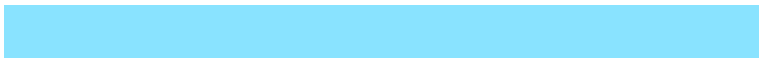
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2235, 0.2646, 0.3654



80.2174, 0.2584, 0.3737



67.7440, 0.2450, 0.2965



20.3952, 0.3015, 0.3353



39.2936, 0.2490, 0.4166



3.8439, 0.2459, 0.4053



# Inverse Universe

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



41.9981, 0.4049, 0.2970



35.7186, 0.4331, 0.2920



49.8269, 0.4250, 0.3581



18.0654, 0.3253, 0.3228



11.3413, 0.5895, 0.3021

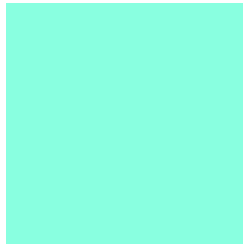


1.1213, 0.5578, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 82.2202, 0.2646, 0.3654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

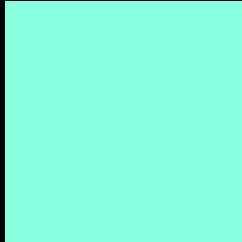
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2202, 0.2646, 0.3654 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

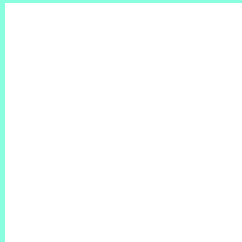
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.2202, 0.2646, 0.3654**

## Background



This preview shows how black text looks on a background with the Yxy color 82.2202, 0.2646, 0.3654.

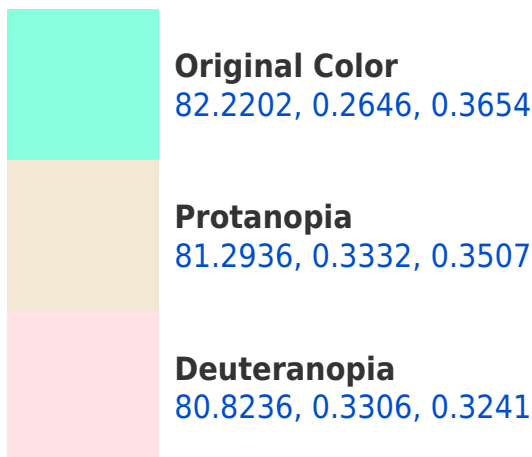


This preview shows how white text looks on a background with the Yxy color 82.2202, 0.2646, 0.3654.

# 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

81.4156, 0.2728, 0.3149

# Trichromacy



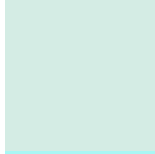
## Original Color

82.2202, 0.2646, 0.3654



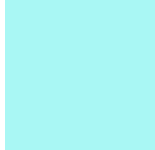
## Protanomaly

80.1154, 0.3037, 0.3554



## Deuteranomaly

79.5894, 0.3018, 0.3376



## Tritanomaly

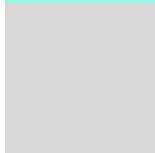
81.4882, 0.2689, 0.3322

# Monochromacy



## Original Color

82.2202, 0.2646, 0.3654



## 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 82.2202, 0.2646, 0.3654 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(137, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 224)  
}
```

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(137, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2202, 0.2646, 0.3654 is called "border". The border property can be set on classes, ids or directly on the HTML element.

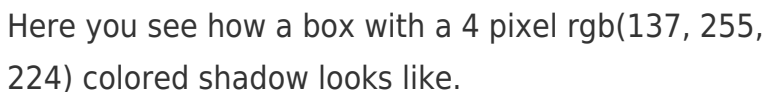
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 255, 224) }
```

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

```
.border{ border-color:rgb(137, 255, 224) }
```

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



Here you see how a box with a 4 pixel rgb(137, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2202, 0.2646, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 224) }
```

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

```
.background{ background-color: rgb(137,  
255, 224) }
```

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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