

# Converting Colors

$Yxy(82.9489, 0.2771, 0.3794)$

Have a look what the booklet for  
Yxy(82.9489, 0.2771, 0.3794)  
contains.

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# Color

**Yxy(82.9489, 0.2771, 0.3794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FFD4
RGB	152, 255, 212
RGB Percent	60%, 100%, 83%
CMY	0.4042, 0.0000, 0.1686
CMYK	0.40, 0.00, 0.17, 0.00
HSL	155°, 100%, 80%
HSV	155°, 40%, 100%
XYZ	60.5829, 82.9489, 75.1000
YIQ	219.3010, -47.5850, -35.2090

# Conversions

## Conversions Part 2

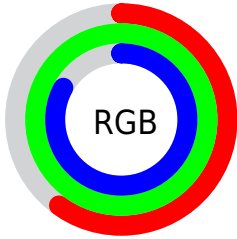
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 217, 255
Decimal	10026964
CIELab	92.99, -39.49, 11.21
CIELCh	93, 41.051, 164.154
Yxy	82.9489, 0.2771, 0.3794
Android (android.graphics.Color)	4288217044 (0xFF98FFD4)
YUV	219.3010, -3.5994, -59.0230
Hunter-Lab	91.0763, -40.6474, 14.8638

# Details

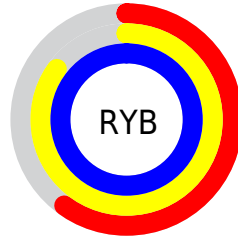
The Yxy color **82.9489, 0.2771, 0.3794** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.6341, 0.3721, 0.2845**, and the grayscale version is **71.0939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **45.2554, 0.2690, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **80.2227, 0.2706, 0.3946**, and if you desaturate by 10%, it is **86.2267, 0.2848, 0.3651**.

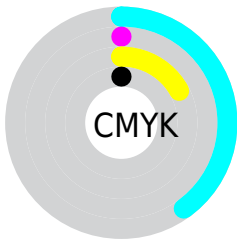
# Distribution



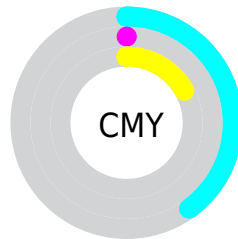
- Red (60%)
- Green (100%)
- Blue (83%)



- Red (60%)
- Yellow (85%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9489, 0.2771, 0.3794 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 82.9489, 0.2771, 0.3794 by changing the saturation by 10% instead.




 82.9489, 0.2771,  
0.3794


 82.9489, 0.2771,  
0.3794

504.8162, 0.2936,  
0.3558

 62.1480, 0.2733,  
0.3849


 137.5039, 0.2828,  
0.3711

 45.1523, 0.2687,  
0.3916


 172.0268, 0.2850,  
0.3680

 31.5774, 0.2628,  
0.4003


211.8924, 0.2869,  
0.3652

 21.0389, 0.2552,  
0.4117

257.4852, 0.2886,  
0.3628

 13.1525, 0.2448,  
0.4274

309.1896, 0.2901,  
0.3607

 7.5336, 0.2300,  
0.4502

367.3900, 0.2914,


 3.7980, 0.2070,


0.3589


0.4865


432.4707, 0.2925,  
0.3573


 1.5612, 0.1467,  
0.5684


 0.3312, 0.0000,  
1.0000


 82.9489, 0.2771,  
0.3794


 82.9489, 0.2771,  
0.3794


 80.2227, 0.2706,  
0.3946

 86.2267, 0.2848,  
0.3651

 78.0321, 0.2657,  
0.4106

 90.1068, 0.2935,  
0.3520

 76.3318, 0.2626,  
0.4270

 94.6124, 0.3027,  
0.3401

 75.0774, 0.2616,  
0.4436

99.7707, 0.3123,  
0.3294

■ 74.2156, 0.2626,  
0.4598

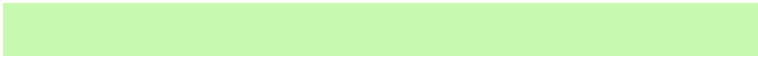
100.0000, 0.3127,  
0.3290

■ 73.6770, 0.2653,  
0.4749

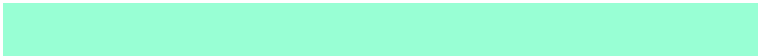
# Harmonies

## Analogous

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



82.9489, 0.3226, 0.4098



82.9489, 0.2771, 0.3794



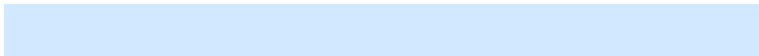
82.9489, 0.2428, 0.3332

# Triad

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



82.9489, 0.2771, 0.3794



82.9489, 0.2564, 0.2531



82.9489, 0.4068, 0.3566

# Complementary

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



82.9489, 0.2771, 0.3794



47.6341, 0.3721, 0.2845

# 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.



82.9489, 0.3868, 0.3188



82.9489, 0.2771, 0.3794



82.9489, 0.2971, 0.2618

# Square

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



82.9489, 0.2771, 0.3794



82.9489, 0.2318, 0.2622



82.9489, 0.3453, 0.2852

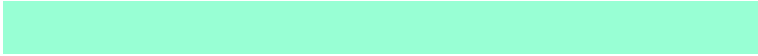


82.9489, 0.3990, 0.3911



# Rectangle

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



82.9489, 0.2771, 0.3794



82.9489, 0.2300, 0.3031



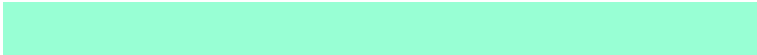
82.9489, 0.3453, 0.2852



82.9489, 0.4031, 0.3440

# Sweetspot

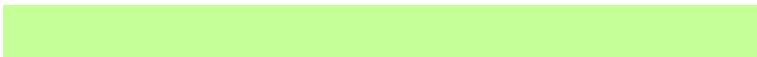
The Sweet Spot groups the original color and five complimentary colors.



82.9426, 0.2771, 0.3794



93.8560, 0.3012, 0.3419



85.6012, 0.3338, 0.4441



19.9581, 0.3000, 0.3434



0.0000, 0.0000, 0.0000

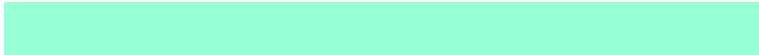


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.9426, 0.2771, 0.3794



80.8301, 0.2720, 0.3908



81.1038, 0.2558, 0.3211



20.3457, 0.3036, 0.3391



38.5283, 0.2645, 0.4723



3.7732, 0.2595, 0.4543



# Inverse Universe

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



47.6341, 0.3721, 0.2845



41.3728, 0.3888, 0.2765



48.2557, 0.4133, 0.3365



18.1128, 0.3228, 0.3191



11.6851, 0.5313, 0.2701

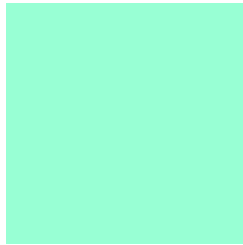


1.1589, 0.5018, 0.2538



# Previews

## White Background



This preview shows how the Yxy color 82.9489, 0.2771, 0.3794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

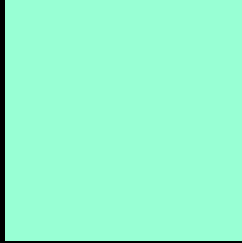
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9489, 0.2771, 0.3794 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

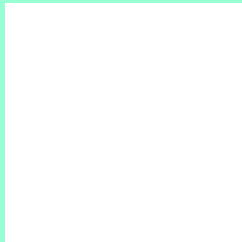
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9489, 0.2771, 0.3794**

## Background



This preview shows how black text looks on a background with the Yxy color 82.9489, 0.2771, 0.3794.

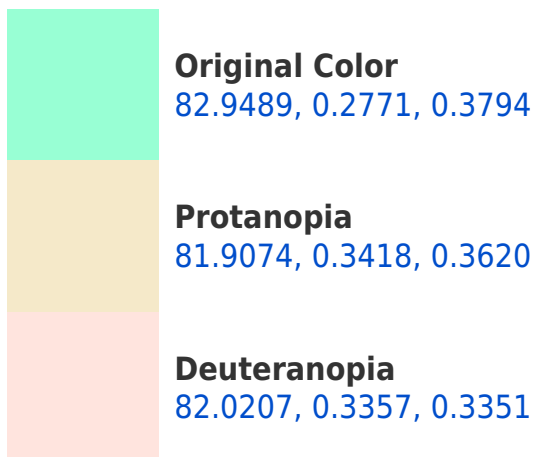


This preview shows how white text looks on a background with the Yxy color 82.9489, 0.2771, 0.3794.

# 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



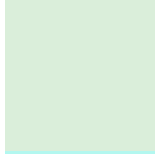
## Original Color

82.9489, 0.2771, 0.3794



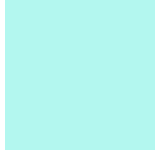
## Protanomaly

81.1673, 0.3148, 0.3685



## Deuteranomaly

81.1165, 0.3117, 0.3505



## Tritanomaly

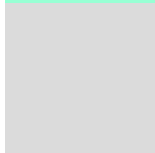
82.3372, 0.2766, 0.3378

# Monochromacy



## Original Color

82.9489, 0.2771, 0.3794



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.2732, 0.2980, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9489, 0.2771, 0.3794 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(152, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 212)  
}
```

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(152, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9489, 0.2771, 0.3794 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(152, 255, 212) }
```

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

```
.border{ border-color:rgb(152, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(152, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9489, 0.2771, 0.3794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 212) }
```

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

```
.background{ background-color: rgb(152,  
255, 212) }
```

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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