

# Converting Colors

$Yxy(75.4689, 0.2827, 0.3982)$

Have a look what the booklet for  
Yxy(75.4689, 0.2827, 0.3982)  
contains.

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**Color**

**Yxy(75.4689, 0.2827, 0.3982)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8FF6BE
RGB	143, 246, 190
RGB Percent	56%, 96%, 75%
CMY	0.4393, 0.0353, 0.2548
CMYK	0.42, 0.00, 0.23, 0.04
HSL	147°, 85%, 76%
HSV	147°, 42%, 96%
XYZ	53.5787, 75.4689, 60.4775
YIQ	208.8190, -43.4120, -39.2520

# Conversions

## Conversions Part 2

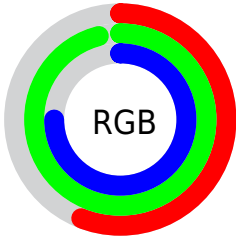
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 214, 246
Decimal	9434814
CIELab	89.61, -42.19, 17.69
CIElCh	90, 45.747, 157.254
Yxy	75.4689, 0.2827, 0.3982
Android (android.graphics.Color)	4287624894 (0xFF8FF6BE)
YUV	208.8190, -9.2778, -57.7233
Hunter-Lab	86.8728, -41.9377, 19.5356

# Details

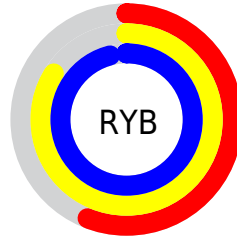
The Yxy color **75.4689, 0.2827, 0.3982** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.3562, 0.3615, 0.2696**, and the grayscale version is **63.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4532, 0.2851, 0.3384**, and **40.1512, 0.2750, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **72.9541, 0.2776, 0.4186**, and if you desaturate by 10%, it is **78.5248, 0.2889, 0.3791**.

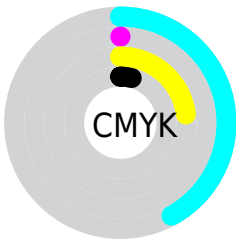
# Distribution



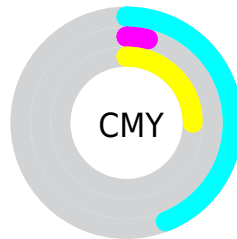
- Red (56%)
- Green (96%)
- Blue (75%)



- Red (56%)
- Yellow (84%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (23%)
- Black (4%)




- Cyan (44%)
- Magenta (4%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4689, 0.2827, 0.3982 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 75.4689, 0.2827, 0.3982 by changing the saturation by 10% instead.





 75.4689, 0.2827,  
0.3982


 75.4689, 0.2827,  
0.3982


479.5277, 0.2973,  
0.3648

 55.9971, 0.2792,  
0.4062


 126.9759, 0.2879,  
0.3863

 40.2006, 0.2748,  
0.4162


 159.7799, 0.2899,  
0.3818

 27.6950, 0.2691,  
0.4292


197.7967, 0.2915,  
0.3779

 18.0959, 0.2614,  
0.4466

241.4108, 0.2930,  
0.3746

 11.0188, 0.2506,  
0.4712

291.0066, 0.2943,  
0.3717

 6.0795, 0.2341,  
0.5083


346.9684, 0.2954,


 2.8935, 0.2065,


0.3691


0.5697


409.6806, 0.2964,  
0.3668

 1.0764, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000

 75.4689, 0.2827,  
0.3982

 75.4689, 0.2827,  
0.3982


 72.9541, 0.2776,  
0.4186


 78.5248, 0.2889,  
0.3791


 70.9379, 0.2740,  
0.4398

 82.1429, 0.2960,  
0.3616

 69.3863, 0.2721,  
0.4614

 86.3541, 0.3035,  
0.3457

 68.2567, 0.2723,  
0.4827

 91.1847, 0.3113,  
0.3315

■ 67.4981, 0.2744,  
0.5029

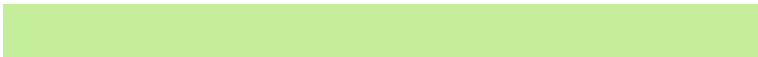
■ 94.3942, 0.3131,  
0.3204

■ 67.0919, 0.2773,  
0.5182

# Harmonies

## Analogous

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



75.4689, 0.3358, 0.4265



75.4689, 0.2827, 0.3982



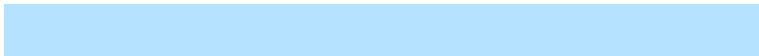
75.4689, 0.2401, 0.3461

# Triad

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



75.4689, 0.2827, 0.3982



75.4689, 0.2402, 0.2433



75.4689, 0.4185, 0.3495

# Complementary

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



75.4689, 0.2827, 0.3982



43.3562, 0.3615, 0.2696

# 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.



75.4689, 0.3886, 0.3075



75.4689, 0.2827, 0.3982



75.4689, 0.2825, 0.2490

# Square

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



75.4689, 0.2827, 0.3982



75.4689, 0.2176, 0.2578



75.4689, 0.3371, 0.2719

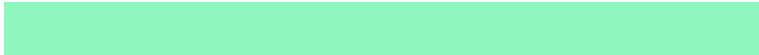


75.4689, 0.4163, 0.3907



# Rectangle

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



75.4689, 0.2827, 0.3982



75.4689, 0.2224, 0.3099



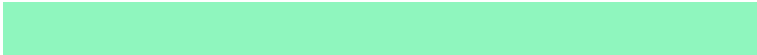
75.4689, 0.3371, 0.2719



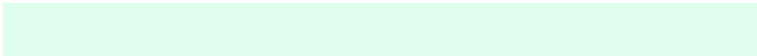
75.4689, 0.4118, 0.3352

# Sweetspot

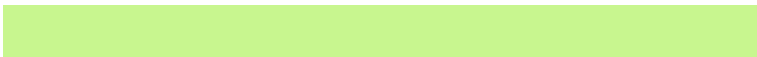
The Sweet Spot groups the original color and five complimentary colors.



75.4720, 0.2827, 0.3982



93.1397, 0.3026, 0.3474



80.1278, 0.3425, 0.4452



19.7109, 0.3009, 0.3508



0.0000, 0.0000, 0.0000

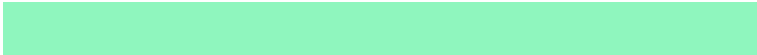


21.4041, 0.3127, 0.3290



# Same Dimension

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



75.4720, 0.2827, 0.3982



79.6042, 0.2784, 0.4149



78.0948, 0.2578, 0.3348



18.5979, 0.3053, 0.3421



35.8372, 0.2764, 0.5151



3.1702, 0.2697, 0.4911



# Inverse Universe

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



43.3562, 0.3615, 0.2696



40.5889, 0.3756, 0.2586



41.3773, 0.4161, 0.3237



16.6331, 0.3208, 0.3162



11.4001, 0.4777, 0.2405

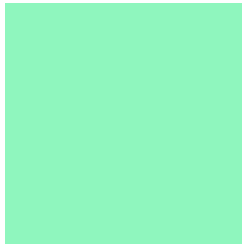


1.0227, 0.4526, 0.2267



# Previews

## White Background



This preview shows how the Yxy color 75.4689, 0.2827, 0.3982 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 75.4689, 0.2827, 0.3982 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 75.4689, 0.2827, 0.3982**

## Background



This preview shows how black text looks on a background with the Yxy color 75.4689, 0.2827, 0.3982.

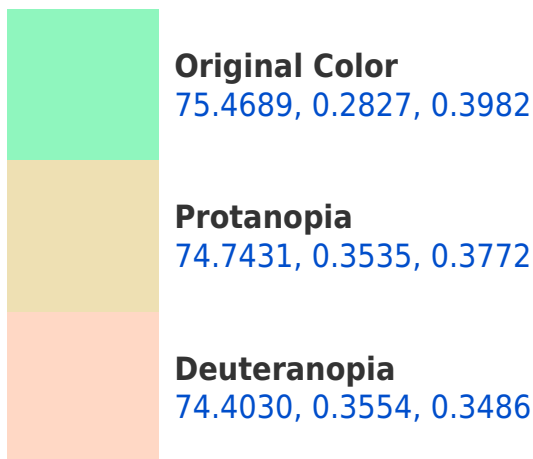


This preview shows how white text looks on a background with the Yxy color 75.4689, 0.2827, 0.3982.

# 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

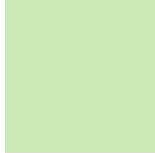
75.4698, 0.2586, 0.3086

# Trichromacy



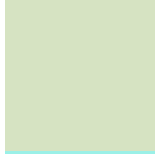
## Original Color

75.4689, 0.2827, 0.3982



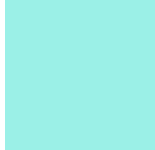
## Protanomaly

73.8286, 0.3237, 0.3852



## Deuteranomaly

73.1294, 0.3250, 0.3660



## Tritanomaly

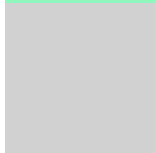
75.0583, 0.2673, 0.3394

# Monochromacy



## Original Color

75.4689, 0.2827, 0.3982



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.8211, 0.2999, 0.3528

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4689, 0.2827, 0.3982 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(143, 246, 190)` looks like.

```
.text, #text, p{  
    color:rgb(143, 246, 190)  
}
```

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(143, 246, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 246, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4689, 0.2827, 0.3982 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(143, 246, 190) }
```

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

```
.border{ border-color:rgb(143, 246, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 246, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 246, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 246, 190); box-shadow:4px 4px 4px 4px rgb(143, 246, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4689, 0.2827, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 246, 190) }
```

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

```
.background{ background-color: rgb(143,  
246, 190) }
```

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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