

# Converting Colors

$Yxy(74.4077, 0.2915, 0.4236)$

Have a look what the booklet for  
Yxy(74.4077, 0.2915, 0.4236)  
contains.

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# Color

**Yxy(74.5145, 0.2914, 0.4233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DF6AB
RGB	141, 246, 171
RGB Percent	55%, 96%, 67%
CMY	0.4470, 0.0353, 0.3293
CMYK	0.43, 0.00, 0.30, 0.04
HSL	137°, 85%, 76%
HSV	137°, 43%, 96%
XYZ	51.2958, 74.5145, 50.2220
YIQ	206.0550, -38.5050, -45.5850

# Conversions

## Conversions Part 2

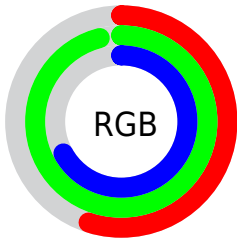
Format	Color
<a href="#">RYB</a>	<a href="#">141, 223, 246</a>
Decimal	<a href="#">9303723</a>
CIELab	<a href="#">89.17, -46.21, 26.79</a>
CIElCh	<a href="#">89, 53.417, 149.898</a>
Yxy	<a href="#">74.5145, 0.2914, 0.4233</a>
Android (android.graphics.Color)	<a href="#">4287493803 (0xFF8DF6AB)</a>
YUV	<a href="#">206.0550, -17.2821, -57.0532</a>
Hunter-Lab	<a href="#">86.3218, -44.9913, 25.9303</a>

# Details

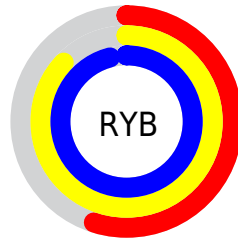
The Yxy color **74.5145, 0.2914, 0.4233** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.6066, 0.3449, 0.2510**, and the grayscale version is **61.8959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2082, 0.2946, 0.3591**, and **39.5880, 0.2850, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **71.9687, 0.2879, 0.4504**, and if you desaturate by 10%, it is **77.6344, 0.2958, 0.3976**.

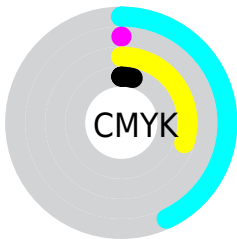
# Distribution



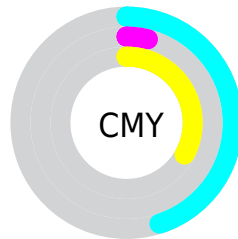
- Red (55%)
- Green (96%)
- Blue (67%)



- Red (55%)
- Yellow (87%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (45%)
- Magenta (4%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5145, 0.2914, 0.4233 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 74.5145, 0.2914, 0.4233 by changing the saturation by 10% instead.




 74.5145, 0.2914,  
0.4233


 74.5145, 0.2914,  
0.4233


476.2472, 0.3026,  
0.3772

 55.2152, 0.2885,  
0.4344


 125.6249, 0.2956,  
0.4068

 39.5741, 0.2847,  
0.4485


 158.2048, 0.2971,  
0.4005

 27.2066, 0.2796,  
0.4667


195.9804, 0.2984,  
0.3952

 17.7285, 0.2724,  
0.4914

239.3360, 0.2995,  
0.3906

 10.7552, 0.2615,  
0.5262

288.6561, 0.3004,  
0.3866

 5.9025, 0.2438,  
0.5784


344.3251, 0.3013,

 2.7859, 0.2163,


0.3831


0.6774

406.7273, 0.3020,  
0.3800


 1.0210, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.5145, 0.2914,  
0.4233


 74.5145, 0.2914,  
0.4233


 71.9687, 0.2879,  
0.4504


 77.6344, 0.2958,  
0.3976

 69.9522, 0.2856,  
0.4782

 81.3516, 0.3007,  
0.3740

 68.4284, 0.2849,  
0.5053

 85.6991, 0.3060,  
0.3527

 67.3518, 0.2857,  
0.5305

 90.7047, 0.3113,  
0.3337

■ 66.6677, 0.2881,  
0.5523

■ 94.3914, 0.3131,  
0.3204

■ 66.3577, 0.2905,  
0.5658

# Harmonies

## Analogous

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



74.5145, 0.3535, 0.4460



74.5145, 0.2914, 0.4233



74.5145, 0.2382, 0.3650

# Triad

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



74.5145, 0.2914, 0.4233



74.5145, 0.2203, 0.2319



74.5145, 0.4316, 0.3391

# Complementary

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



74.5145, 0.2914, 0.4233



43.6066, 0.3449, 0.2510

# 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.



74.5145, 0.3884, 0.2926



74.5145, 0.2914, 0.4233



74.5145, 0.2634, 0.2335

# Square

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



74.5145, 0.2914, 0.4233



74.5145, 0.2008, 0.2536



74.5145, 0.3246, 0.2552



74.5145, 0.4377, 0.3877



# Rectangle

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



74.5145, 0.2914, 0.4233



74.5145, 0.2143, 0.3207



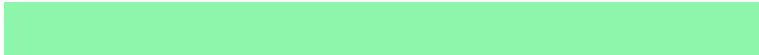
74.5145, 0.3246, 0.2552



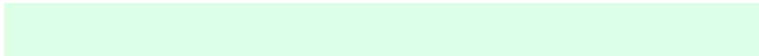
74.5145, 0.4208, 0.3230

# Sweetspot

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



74.5176, 0.2914, 0.4233



92.8139, 0.3058, 0.3534



82.4731, 0.3552, 0.4428



19.6309, 0.3046, 0.3579



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.



74.5176, 0.2914, 0.4233



78.4894, 0.2884, 0.4461



76.9176, 0.2652, 0.3560



18.5499, 0.3077, 0.3464



35.4401, 0.2897, 0.5630



3.1318, 0.2829, 0.5385



# Inverse Universe

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



43.6066, 0.3449, 0.2510



40.9673, 0.3536, 0.2367



41.3211, 0.3996, 0.3046



16.6828, 0.3182, 0.3122



12.1496, 0.4094, 0.2029

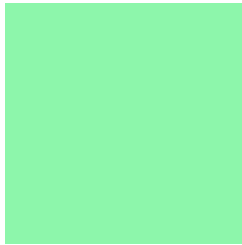


1.0855, 0.3956, 0.1953



# Previews

## White Background



This preview shows how the Yxy color 74.5145, 0.2914, 0.4233 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 74.5145, 0.2914, 0.4233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

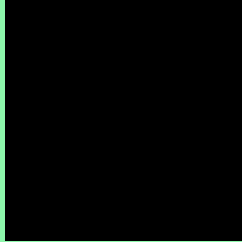
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.5145, 0.2914, 0.4233**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5145, 0.2914, 0.4233.



This preview shows how white text looks on a background with the Yxy color 74.5145, 0.2914, 0.4233.

# 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



### Original Color

74.5145, 0.2914, 0.4233

### Protanopia

73.3410, 0.3680, 0.3941

### Deuteranopia

73.3637, 0.3646, 0.3600



## Tritanopia

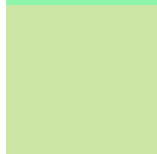
74.0460, 0.2577, 0.3073

# Trichromacy



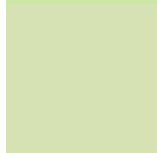
## Original Color

74.5145, 0.2914, 0.4233



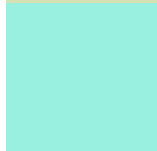
## Protanomaly

72.7058, 0.3359, 0.4052



## Deuteranomaly

71.9841, 0.3344, 0.3811



## Tritanomaly

73.8871, 0.2696, 0.3467

# Monochromacy



## Original Color

74.5145, 0.2914, 0.4233



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

65.5082, 0.3035, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5145, 0.2914, 0.4233 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, 246, 171)` looks like.

```
.text, #text, p{  
    color:rgb(141, 246, 171)  
}
```

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, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 246, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5145, 0.2914, 0.4233 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, 246, 171) }
```

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

```
.border{ border-color:rgb(141, 246, 171) }
```

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

Here you see how a box with a 4 pixel rgb(141, 246, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 246, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 246, 171);  
box-shadow:4px 4px 4px 4px rgb(141, 246,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5145, 0.2914, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 246, 171) }
```

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

```
.background{ background-color: rgb(141,  
246, 171) }
```

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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