

# Converting Colors

$Yxy(73.8460, 0.2936, 0.4302)$

Have a look what the booklet for  
Yxy(73.8460, 0.2936, 0.4302)  
contains.

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**Color**

**Yxy(73.5969, 0.2939, 0.4304)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8CF5A5
RGB	140, 245, 165
RGB Percent	55%, 96%, 65%
CMY	0.4510, 0.0392, 0.3530
CMYK	0.43, 0.00, 0.33, 0.04
HSL	134°, 84%, 75%
HSV	134°, 43%, 96%
XYZ	50.2559, 73.5969, 47.1437
YIQ	204.4850, -36.9000, -47.1400

# Conversions

## Conversions Part 2

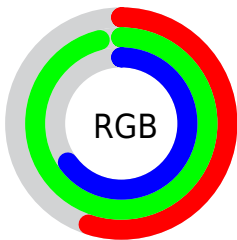
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 225, 245
Decimal	9237925
CIELab	88.73, -47.11, 29.27
CIELCh	89, 55.465, 148.152
Yxy	73.5969, 0.2939, 0.4304
Android (android.graphics.Color)	4287428005 (0xFF8CF5A5)
YUV	204.4850, -19.4661, -56.5533
Hunter-Lab	85.7886, -45.5630, 27.4702

# Details

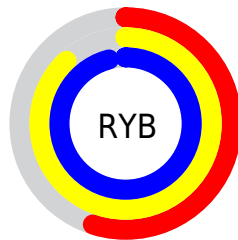
The Yxy color **73.5969, 0.2939, 0.4304** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.3347, 0.3402, 0.2459**, and the grayscale version is **60.8484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6931, 0.2978, 0.3670**, and **38.9753, 0.2879, 0.4585** is the 20% darker color. If you saturate the color by 10%, you get **71.0726, 0.2908, 0.4593**, and if you desaturate by 10%, it is **76.7003, 0.2978, 0.4029**.

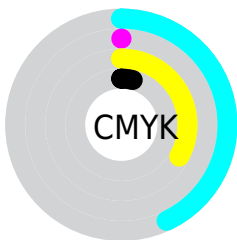
# Distribution



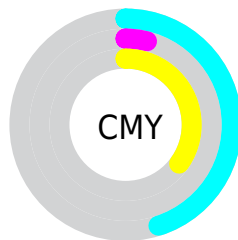
- Red (55%)
- Green (96%)
- Blue (65%)



- Red (55%)
- Yellow (88%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)




- Cyan (45%)
- Magenta (4%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5969, 0.2939, 0.4304 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 73.5969, 0.2939, 0.4304 by changing the saturation by 10% instead.




 73.5969, 0.2939,  
0.4304

 73.5969, 0.2939,  
0.4304


473.0810, 0.3042,  
0.3806

 54.4642, 0.2911,  
0.4425


 124.3242, 0.2978,  
0.4126

 38.9729, 0.2875,  
0.4577


 156.6876, 0.2992,  
0.4058

 26.7386, 0.2824,  
0.4775


194.2300, 0.3004,  
0.4000

 17.3770, 0.2752,  
0.5043

237.3358, 0.3014,  
0.3951

 10.5037, 0.2641,  
0.5421

286.3894, 0.3023,  
0.3907

 5.7342, 0.2455,  
0.5987


341.7752, 0.3030,

 2.6841, 0.2209,


0.3869


0.7222


403.8776, 0.3036,  
0.3836

 0.9691, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 73.5969, 0.2939,  
0.4304


 73.5969, 0.2939,  
0.4304


 71.0726, 0.2908,  
0.4593


 76.7003, 0.2978,  
0.4029

 69.0822, 0.2888,  
0.4885

 80.4066, 0.3021,  
0.3776

 67.5883, 0.2882,  
0.5167


 84.7492, 0.3067,  
0.3547

 66.5449, 0.2890,  
0.5422

 89.7564, 0.3114,  
0.3344

 65.8964, 0.2912,  
0.5635

 93.7896, 0.3132,  
0.3194

 65.6183, 0.2932,  
0.5756

# Harmonies

## Analogous

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



73.5969, 0.3584, 0.4511



73.5969, 0.2939, 0.4304



73.5969, 0.2378, 0.3706

# Triad

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



73.5969, 0.2939, 0.4304



73.5969, 0.2149, 0.2288



73.5969, 0.4350, 0.3362

# Complementary

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



73.5969, 0.2939, 0.4304



43.3347, 0.3402, 0.2459

# 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.



73.5969, 0.3881, 0.2884



73.5969, 0.2939, 0.4304



73.5969, 0.2581, 0.2293

# Square

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



73.5969, 0.2939, 0.4304



73.5969, 0.1963, 0.2525



73.5969, 0.3209, 0.2507



73.5969, 0.4436, 0.3865



# Rectangle

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



73.5969, 0.2939, 0.4304



73.5969, 0.2121, 0.3239



73.5969, 0.3209, 0.2507



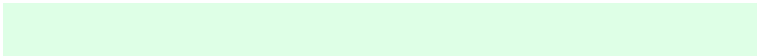
73.5969, 0.4231, 0.3196

# Sweetspot

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



73.6000, 0.2939, 0.4304



92.7244, 0.3067, 0.3551



82.4970, 0.3591, 0.4418



19.6091, 0.3056, 0.3599



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.



73.6000, 0.2939, 0.4304



78.2731, 0.2913, 0.4542



75.8939, 0.2676, 0.3627



18.5367, 0.3083, 0.3475



35.3652, 0.2925, 0.5731



3.1237, 0.2861, 0.5499



# Inverse Universe

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



43.3347, 0.3402, 0.2459



41.2992, 0.3473, 0.2313



40.9935, 0.3943, 0.2988



16.6969, 0.3174, 0.3111



12.4064, 0.3921, 0.1934

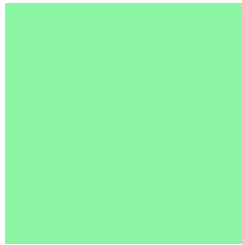


1.1062, 0.3812, 0.1874



# Previews

## White Background



This preview shows how the Yxy color 73.5969, 0.2939, 0.4304 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 73.5969, 0.2939, 0.4304 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

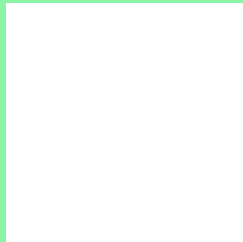
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.5969, 0.2939, 0.4304**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5969, 0.2939, 0.4304.



This preview shows how white text looks on a background with the Yxy color 73.5969, 0.2939, 0.4304.

# 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

73.5969, 0.2939, 0.4304

### Protanopia

72.4302, 0.3717, 0.3996

### Deuteranopia

72.6078, 0.3693, 0.3652



## Tritanopia

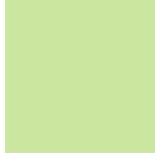
73.3084, 0.2575, 0.3072

# Trichromacy



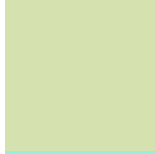
## Original Color

73.5969, 0.2939, 0.4304



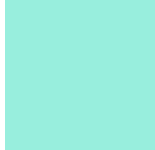
## Protanomaly

71.7933, 0.3391, 0.4114



## Deuteranomaly

71.0526, 0.3378, 0.3871



## Tritanomaly

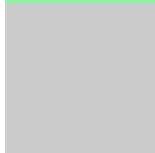
73.0449, 0.2705, 0.3493

# Monochromacy



## Original Color

73.5969, 0.2939, 0.4304



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

64.2045, 0.3047, 0.3645

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5969, 0.2939, 0.4304 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(140, 245, 165)` looks like.

```
.text, #text, p{  
    color:rgb(140, 245, 165)  
}
```

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(140, 245, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 245, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5969, 0.2939, 0.4304 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(140, 245, 165) }
```

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

```
.border{ border-color:rgb(140, 245, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 245, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 245, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 245, 165);  
box-shadow:4px 4px 4px 4px rgb(140, 245,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5969, 0.2939, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 245, 165) }
```

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

```
.background{ background-color: rgb(140,  
245, 165) }
```

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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