

# Converting Colors

Yxy(71.8434, 0.3043, 0.4450)

Have a look what the booklet for  
Yxy(71.8434, 0.3043, 0.4450)  
contains.

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# Color

**Yxy(71.8496, 0.3044, 0.4446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92F297
RGB	146, 242, 151
RGB Percent	57%, 95%, 59%
CMY	0.4275, 0.0510, 0.4077
CMYK	0.40, 0.00, 0.38, 0.05
HSL	123°, 79%, 76%
HSV	123°, 40%, 95%
XYZ	49.1926, 71.8496, 40.5629
YIQ	202.9220, -28.0050, -48.6530

# Conversions

## Conversions Part 2

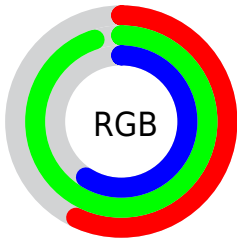
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 237, 242
Decimal	9630359
CIELab	87.90, -46.39, 35.22
CIELCh	88, 58.243, 142.789
Yxy	71.8496, 0.3044, 0.4446
Android (android.graphics.Color)	4287820439 (0xFF92F297)
YUV	202.9220, -25.5975, -49.9206
Hunter-Lab	84.7641, -44.7454, 30.9624

# Details

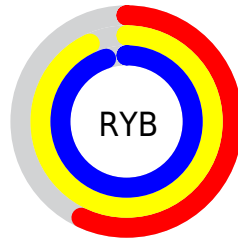
The Yxy color **71.8496, 0.3044, 0.4446** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.5470, 0.3216, 0.2356**, and the grayscale version is **59.8481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6727, 0.3084, 0.3823**, and **37.7724, 0.2999, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **69.1905, 0.3024, 0.4793**, and if you desaturate by 10%, it is **75.1291, 0.3065, 0.4112**.

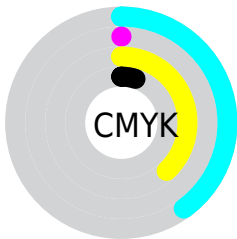
# Distribution



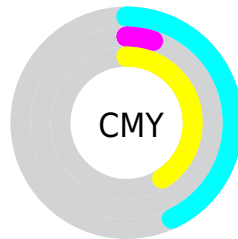
- Red (57%)
- Green (95%)
- Blue (59%)



- Red (57%)
- Yellow (93%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8496, 0.3044, 0.4446 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 71.8496, 0.3044, 0.4446 by changing the saturation by 10% instead.



 71.8496, 0.3044,  
0.4446


 71.8496, 0.3044,  
0.4446


467.0179, 0.3103,  
0.3875

 53.0358, 0.3024,  
0.4585


 121.8427, 0.3069,  
0.4241

 37.8314, 0.2997,  
0.4760


 153.7908, 0.3078,  
0.4163

 25.8518, 0.2956,  
0.4987


190.8858, 0.3084,  
0.4097

 16.7128, 0.2893,  
0.5293

233.5120, 0.3090,  
0.4041

 10.0300, 0.2788,  
0.5721

282.0540, 0.3094,  
0.3991

 5.4188, 0.2596,  
0.6350

336.8960, 0.3098,

 2.4950, 0.2313,

0.3948

0.7687

398.4226, 0.3101,  
0.3909

0.8742, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

71.8496, 0.3044,  
0.4446

71.8496, 0.3044,  
0.4446

69.1905, 0.3024,  
0.4793

75.1291, 0.3065,  
0.4112

67.1043, 0.3007,  
0.5134

79.0548, 0.3087,  
0.3803

65.5515, 0.2995,  
0.5445

83.6623, 0.3108,  
0.3526

64.4836, 0.2989,  
0.5699

88.9817, 0.3128,  
0.3283

■ 63.8432, 0.2990,  
0.5877

■ 91.9870, 0.3133,  
0.3165

■ 63.5423, 0.2993,  
0.5974

■ 63.5352, 0.2993,  
0.5976

# Harmonies

## Analogous

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



71.8496, 0.3720, 0.4571



71.8496, 0.3044, 0.4446



71.8496, 0.2426, 0.3863

# Triad

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



71.8496, 0.3044, 0.4446



71.8496, 0.2045, 0.2261



71.8496, 0.4360, 0.3266

# Complementary

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



71.8496, 0.3044, 0.4446



45.5470, 0.3216, 0.2356

# 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.



71.8496, 0.3804, 0.2781



71.8496, 0.3044, 0.4446



71.8496, 0.2452, 0.2226

# Square

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



71.8496, 0.3044, 0.4446



71.8496, 0.1898, 0.2554



71.8496, 0.3083, 0.2414



71.8496, 0.4525, 0.3794



# Rectangle

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



71.8496, 0.3044, 0.4446



71.8496, 0.2128, 0.3362



71.8496, 0.3083, 0.2414



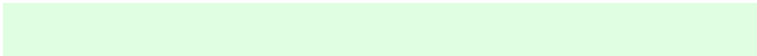
71.8496, 0.4210, 0.3096

# Sweetspot

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



71.8526, 0.3044, 0.4446



92.9224, 0.3103, 0.3589



83.6218, 0.3687, 0.4286



19.7394, 0.3101, 0.3624



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.



71.8526, 0.3044, 0.4446



78.3385, 0.3027, 0.4740



73.7317, 0.2793, 0.3822



17.6698, 0.3109, 0.3521



34.1361, 0.2991, 0.5967



2.8445, 0.2967, 0.5880



# Inverse Universe

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



45.5470, 0.3216, 0.2356



44.7396, 0.3237, 0.2174



43.1168, 0.3671, 0.2821



16.0163, 0.3146, 0.3069



13.1963, 0.3345, 0.1616

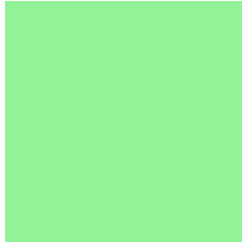


1.1022, 0.3325, 0.1605



# Previews

## White Background



This preview shows how the Yxy color 71.8496, 0.3044, 0.4446 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 71.8496, 0.3044, 0.4446 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 71.8496, 0.3044, 0.4446**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8496, 0.3044, 0.4446.



This preview shows how white text looks on a background with the Yxy color 71.8496, 0.3044, 0.4446.

# 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

71.8496, 0.3044, 0.4446

### Protanopia

70.7932, 0.3805, 0.4114

### Deuteranopia

70.6757, 0.3785, 0.3736



## Tritanopia

71.4325, 0.2619, 0.3072

# Trichromacy



## Original Color

71.8496, 0.3044, 0.4446



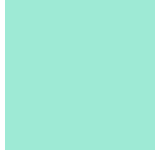
## Protanomaly

69.9616, 0.3501, 0.4241



## Deuteranomaly

69.2983, 0.3480, 0.3975



## Tritanomaly

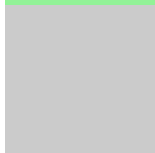
70.9188, 0.2774, 0.3543

# Monochromacy



## Original Color

71.8496, 0.3044, 0.4446



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

63.0315, 0.3094, 0.3696

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8496, 0.3044, 0.4446 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(146, 242, 151)` looks like.

```
.text, #text, p{  
    color:rgb(146, 242, 151)  
}
```

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(146, 242, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 242, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8496, 0.3044, 0.4446 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(146, 242, 151) }
```

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

```
.border{ border-color:rgb(146, 242, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 242, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 242, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 242, 151);  
box-shadow:4px 4px 4px 4px rgb(146, 242,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8496, 0.3044, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 242, 151) }
```

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

```
.background{ background-color: rgb(146,  
242, 151) }
```

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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