

Converting Colors

Yxy(71.4434, 0.2970, 0.4649)

Have a look what the booklet for
Yxy(71.4434, 0.2970, 0.4649)
contains.

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Color

Yxy(71.4389, 0.2970, 0.4649)

Conversions

Conversions Part 1

Format	Color
Hex	7BF58D
RGB	123, 245, 141
RGB Percent	48%, 96%, 55%
CMY	0.5173, 0.0392, 0.4470
CMYK	0.50, 0.00, 0.42, 0.04
HSL	129°, 86%, 72%
HSV	129°, 50%, 96%
XYZ	45.6385, 71.4389, 36.5877
YIQ	196.6660, -39.3280, -58.2080

Conversions

Conversions Part 2

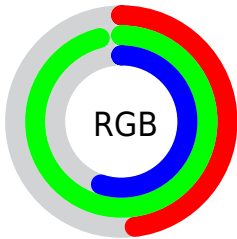
Format	Color
RYB	123, 229, 245
Decimal	8123789
CIELab	87.70, -55.44, 39.74
CIElCh	88, 68.215, 144.364
Yxy	71.4389, 0.2970, 0.4649
Android (android.graphics.Color)	4286313869 (0xFF7BF58D)
YUV	196.6660, -27.4433, -64.6051
Hunter-Lab	84.5215, -51.5292, 33.4996

Details

The Yxy color **71.4389, 0.2970, 0.4649** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.1490, 0.3351, 0.2238**, and the grayscale version is **55.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4506, 0.3013, 0.3960**, and **37.6798, 0.2896, 0.5026** is the 20% darker color. If you saturate the color by 10%, you get **69.2894, 0.2951, 0.4969**, and if you desaturate by 10%, it is **74.1639, 0.2996, 0.4332**.

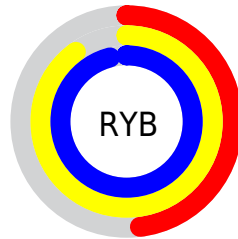
Distribution



Red (48%)

Green (96%)

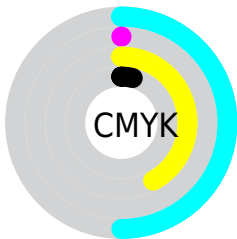
Blue (55%)



Red (48%)

Yellow (90%)

Blue (96%)

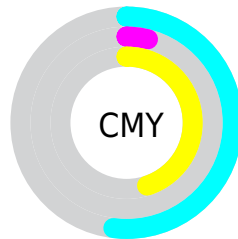


Cyan (50%)

Magenta (0%)

Yellow (42%)

Black (4%)



Cyan (52%)


Magenta (4%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4389, 0.2970, 0.4649 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 71.4389, 0.2970, 0.4649 by changing the saturation by 10% instead.


 71.4389, 0.2970,
0.4649


 71.4389, 0.2970,
0.4649


465.5863, 0.3072,
0.3972

 52.7004, 0.2938,
0.4815


 121.2585, 0.3012,
0.4405

 37.5637, 0.2895,
0.5024


 153.1084, 0.3026,
0.4312

 25.6442, 0.2832,
0.5297


 190.0975, 0.3038,
0.4234

 16.5577, 0.2736,
0.5662


232.6104, 0.3047,
0.4167

 9.9196, 0.2580,
0.6171

281.0313, 0.3055,
0.4108

 5.3457, 0.2321,
0.6951


335.7446, 0.3061,

 2.4515, 0.1719,


0.4057


0.8281


397.1348, 0.3067,
0.4012


 0.8522, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 71.4389, 0.2970,
0.4649


 71.4389, 0.2970,
0.4649


 69.2894, 0.2951,
0.4969


 74.1639, 0.2996,
0.4332


 67.6654, 0.2941,
0.5272


 77.4923, 0.3027,
0.4030

 66.5233, 0.2942,
0.5539

 81.4609, 0.3061,
0.3753


 65.8084, 0.2953,
0.5750

 86.1010, 0.3095,
0.3504

 65.4353, 0.2971,
0.5894

 91.4418, 0.3128,
0.3285

 65.4284, 0.2971,
0.5897

 93.7808, 0.3132,
0.3194

Harmonies

Analogous

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



71.4389, 0.3752, 0.4798



71.4389, 0.2970, 0.4649



71.4389, 0.2273, 0.3920

Triad

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



71.4389, 0.2970, 0.4649



71.4389, 0.1905, 0.2097



71.4389, 0.4596, 0.3272

Complementary

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



71.4389, 0.2970, 0.4649



39.1490, 0.3351, 0.2238

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.



71.4389, 0.3960, 0.2726



71.4389, 0.2970, 0.4649



71.4389, 0.2375, 0.2081

Square

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



71.4389, 0.2970, 0.4649



71.4389, 0.1725, 0.2400



71.4389, 0.3112, 0.2305



71.4389, 0.4748, 0.3869

Rectangle

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



71.4389, 0.2970, 0.4649



71.4389, 0.1950, 0.3315



71.4389, 0.3112, 0.2305



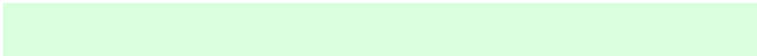
71.4389, 0.4429, 0.3081

Sweetspot

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



71.4419, 0.2970, 0.4649



91.5275, 0.3077, 0.3632



83.3483, 0.3740, 0.4553



19.3654, 0.3069, 0.3685



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.



71.4419, 0.2970, 0.4649



75.8127, 0.2950, 0.4980



73.7023, 0.2681, 0.3852



18.5117, 0.3095, 0.3498



35.2619, 0.2966, 0.5879



3.1110, 0.2914, 0.5689

Inverse Universe

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



39.1490, 0.3351, 0.2238



36.6175, 0.3409, 0.2059



36.4185, 0.4001, 0.2813



16.7239, 0.3160, 0.3090



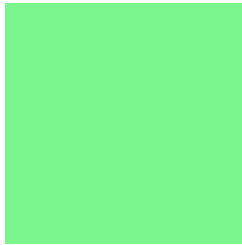
12.9534, 0.3620, 0.1768



1.1497, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 71.4389, 0.2970, 0.4649 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 71.4389, 0.2970, 0.4649 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 71.4389, 0.2970, 0.4649

Background



This preview shows how black text looks on a background with the Yxy color 71.4389, 0.2970, 0.4649.

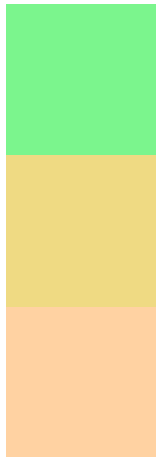


This preview shows how white text looks on a background with the Yxy color 71.4389, 0.2970, 0.4649.

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

71.4389, 0.2970, 0.4649

Protanopia

70.1322, 0.3890, 0.4212

Deuteranopia

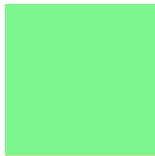
69.9618, 0.3833, 0.3787



Tritanopia

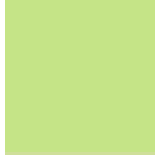
70.9742, 0.2528, 0.3068

Trichromacy



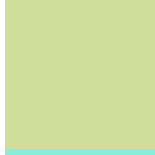
Original Color

71.4389, 0.2970, 0.4649



Protanomaly

69.1064, 0.3499, 0.4385



Deuteranomaly

68.3738, 0.3469, 0.4093



Tritanomaly

70.7605, 0.2689, 0.3611

Monochromacy



Original Color

71.4389, 0.2970, 0.4649



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.8135, 0.3055, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4389, 0.2970, 0.4649 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(123, 245, 141)` looks like.

```
.text, #text, p{  
    color:rgb(123, 245, 141)  
}
```

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(123, 245, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 245, 141) }
```

Border

The CSS property to change the border of an element to Yxy 71.4389, 0.2970, 0.4649 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(123, 245, 141) }
```

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

```
.border{ border-color:rgb(123, 245, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 245, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 245, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 245, 141);  
box-shadow:4px 4px 4px 4px rgb(123, 245,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4389, 0.2970, 0.4649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 245, 141) }
```

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

```
.background{ background-color: rgb(123,  
245, 141) }
```

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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