

Converting Colors

$Yxy(71.2782, 0.2968, 0.4274)$

Have a look what the booklet for
Yxy(71.2782, 0.2968, 0.4274)
contains.

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Color

Yxy(71.4842, 0.2970, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	90F1A3
RGB	144, 241, 163
RGB Percent	56%, 95%, 64%
CMY	0.4353, 0.0549, 0.3607
CMYK	0.40, 0.00, 0.32, 0.05
HSL	132°, 78%, 75%
HSV	132°, 40%, 95%
XYZ	49.5699, 71.4842, 45.8480
YIQ	203.1050, -32.7740, -44.8220

Conversions

Conversions Part 2

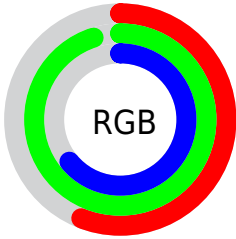
Format	Color
RYB	144, 225, 241
Decimal	9499043
CIELab	87.72, -44.60, 28.92
CIELCh	88, 53.158, 147.038
Yxy	71.4842, 0.2970, 0.4283
Android (android.graphics.Color)	4287689123 (0xFF90F1A3)
YUV	203.1050, -19.7718, -51.8351
Hunter-Lab	84.5483, -43.3066, 27.0326

Details

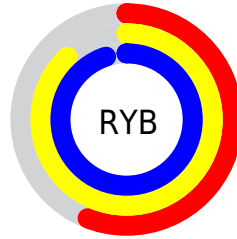
The Yxy color **71.4842, 0.2970, 0.4283** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.9216, 0.3343, 0.2470**, and the grayscale version is **59.9356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9995, 0.3006, 0.3690**, and **37.5034, 0.2912, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **68.9014, 0.2940, 0.4584**, and if you desaturate by 10%, it is **74.6425, 0.3006, 0.3998**.

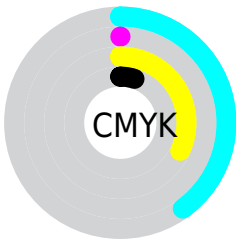
Distribution



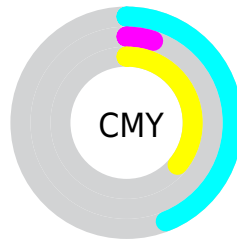
- Red (56%)
- Green (95%)
- Blue (64%)



- Red (56%)
- Yellow (88%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)





- Cyan (44%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4842, 0.2970, 0.4283 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 71.4842, 0.2970, 0.4283 by changing the saturation by 10% instead.


 71.4842, 0.2970,
0.4283


 71.4842, 0.2970,
0.4283


465.7443, 0.3058,
0.3794

 52.7374, 0.2946,
0.4402


 121.3229, 0.3004,
0.4107

 37.5932, 0.2913,
0.4553


 153.1837, 0.3016,
0.4041

 25.6671, 0.2867,
0.4749


190.1845, 0.3026,
0.3984

 16.5748, 0.2801,
0.5015

232.7099, 0.3035,
0.3935

 9.9318, 0.2698,
0.5393

281.1441, 0.3042,
0.3893

 5.3538, 0.2520,
0.5961

335.8717, 0.3048,

 2.4563, 0.2318,

0.3856

0.7341

397.2770, 0.3054,
0.3823

0.8546, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.4842, 0.2970,
0.4283

71.4842, 0.2970,
0.4283

68.9014, 0.2940,
0.4584

74.6425, 0.3006,
0.3998

66.8507, 0.2919,
0.4889

78.3990, 0.3045,
0.3737

65.2965, 0.2910,
0.5184

82.7859, 0.3086,
0.3502

64.1954, 0.2913,
0.5449

87.8307, 0.3126,
0.3295

■ 63.4956, 0.2929,
0.5669

■ 91.3922, 0.3133,
0.3156

■ 63.1196, 0.2952,
0.5828

Harmonies

Analogous

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



71.4842, 0.3596, 0.4470



71.4842, 0.2970, 0.4283



71.4842, 0.2418, 0.3718

Triad

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



71.4842, 0.2970, 0.4283



71.4842, 0.2166, 0.2321



71.4842, 0.4300, 0.3345

Complementary

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



71.4842, 0.2970, 0.4283



43.9216, 0.3343, 0.2470

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.



71.4842, 0.3835, 0.2881



71.4842, 0.2970, 0.4283



71.4842, 0.2579, 0.2317

Square

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



71.4842, 0.2970, 0.4283



71.4842, 0.1993, 0.2563



71.4842, 0.3183, 0.2518



71.4842, 0.4399, 0.3835

Rectangle

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



71.4842, 0.2970, 0.4283



71.4842, 0.2162, 0.3267



71.4842, 0.3183, 0.2518



71.4842, 0.4179, 0.3183

Sweetspot

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



71.4872, 0.2970, 0.4283



93.1671, 0.3078, 0.3542



80.6488, 0.3600, 0.4335



19.7965, 0.3073, 0.3572



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.



71.4872, 0.2970, 0.4283



78.8950, 0.2946, 0.4520



73.5092, 0.2723, 0.3664



17.7071, 0.3089, 0.3485



34.2425, 0.2946, 0.5806



2.8622, 0.2882, 0.5576

Inverse Universe

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



43.9216, 0.3343, 0.2470



43.6948, 0.3398, 0.2320



41.7331, 0.3818, 0.2953



15.9752, 0.3168, 0.3102



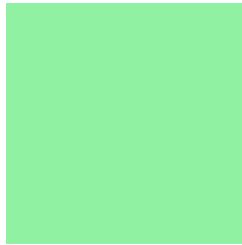
12.2661, 0.3777, 0.1854



1.0338, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 71.4842, 0.2970, 0.4283 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 71.4842, 0.2970, 0.4283 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 71.4842, 0.2970, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 71.4842, 0.2970, 0.4283.

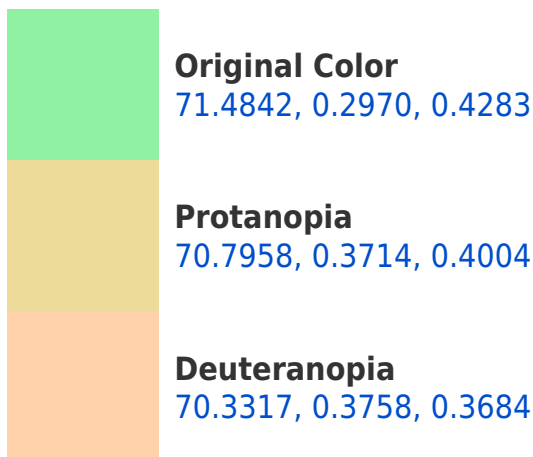


This preview shows how white text looks on a background with the Yxy color 71.4842, 0.2970, 0.4283.

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

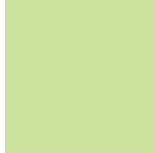
71.1146, 0.2604, 0.3071

Trichromacy



Original Color

71.4842, 0.2970, 0.4283



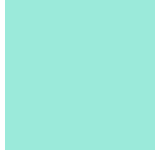
Protanomaly

70.0690, 0.3410, 0.4107



Deuteranomaly

69.0245, 0.3435, 0.3884



Tritanomaly

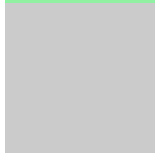
70.8762, 0.2731, 0.3482

Monochromacy



Original Color

71.4842, 0.2970, 0.4283



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.2016, 0.3068, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4842, 0.2970, 0.4283 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(144, 241, 163)` looks like.

```
.text, #text, p{  
    color:rgb(144, 241, 163)  
}
```

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(144, 241, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 241, 163) }
```

Border

The CSS property to change the border of an element to Yxy 71.4842, 0.2970, 0.4283 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(144, 241, 163) }
```

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

```
.border{ border-color:rgb(144, 241, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 241, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 241, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 241, 163);  
box-shadow:4px 4px 4px 4px rgb(144, 241,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4842, 0.2970, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 241, 163) }
```

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

```
.background{ background-color: rgb(144,  
241, 163) }
```

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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