

Converting Colors

Yxy(70.8306, 0.3285, 0.4902)

Have a look what the booklet for
Yxy(70.8306, 0.3285, 0.4902)
contains.

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Color

Yxy(70.8306, 0.3285, 0.4902)

Conversions

Conversions Part 1

Format	Color
Hex	99F16F
RGB	153, 241, 111
RGB Percent	60%, 95%, 44%
CMY	0.3998, 0.0549, 0.5649
CMYK	0.36, 0.00, 0.54, 0.05
HSL	101°, 82%, 69%
HSV	101°, 54%, 95%
XYZ	47.4660, 70.8306, 26.1966
YIQ	199.8680, -10.7180, -59.0860

Conversions

Conversions Part 2

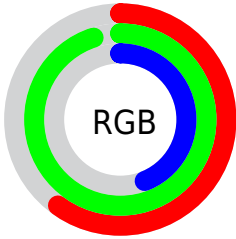
Format	Color
RYB	111, 241, 199
Decimal	10088815
CIELab	87.40, -49.01, 53.89
CIElCh	87, 72.843, 132.286
Yxy	70.8306, 0.3285, 0.4902
Android (android.graphics.Color)	4288278895 (0xFF99F16F)
YUV	199.8680, -43.8119, -41.1032
Hunter-Lab	84.1609, -46.6091, 40.4575

Details

The Yxy color **70.8306, 0.3285, 0.4902** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.8415, 0.2791, 0.1847**, and the grayscale version is **57.9584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1221, 0.3357, 0.4256**, and **37.0632, 0.3262, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **68.8928, 0.3283, 0.5206**, and if you desaturate by 10%, it is **73.1344, 0.3273, 0.4579**.

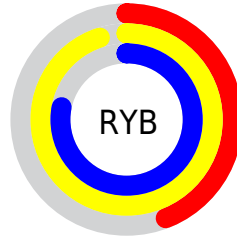
Distribution



Red (60%)

Green (95%)

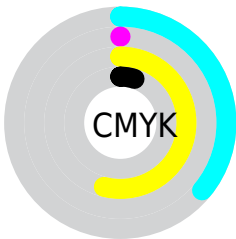
Blue (44%)



Red (44%)

Yellow (95%)

Blue (78%)

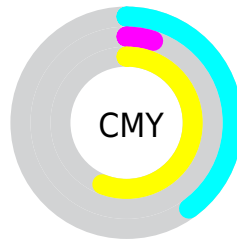


Cyan (36%)

Magenta (0%)

Yellow (54%)

Black (5%)



Cyan (40%)


Magenta (5%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8306, 0.3285, 0.4902 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 70.8306, 0.3285, 0.4902 by changing the saturation by 10% instead.


 70.8306, 0.3285,
0.4902


 70.8306, 0.3285,
0.4902


463.4610, 0.3256,
0.4108


 52.2040, 0.3277,
0.5090

 120.3925, 0.3286,
0.4620

 37.1677, 0.3260,
0.5324

 152.0965, 0.3283,
0.4512

 25.3373, 0.3223,
0.5619


 188.9285, 0.3279,
0.4420

 16.3286, 0.3151,
0.5998

231.2728, 0.3274,
0.4340

 9.7570, 0.3011,
0.6496

279.5138, 0.3270,
0.4271

 5.2381, 0.2764,
0.7236

334.0359, 0.3265,

 2.3876, 0.2100,

0.4210

0.7900

395.2235, 0.3260,
0.4156

0.8195, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.8306, 0.3285,
0.4902

70.8306, 0.3285,
0.4902

68.8928, 0.3283,
0.5206

73.1344, 0.3273,
0.4579

67.2912, 0.3265,
0.5472


75.8137, 0.3249,
0.4255


66.0060, 0.3231,
0.5680


78.8889, 0.3218,
0.3944

65.0104, 0.3183,
0.5822

82.3762, 0.3182,
0.3653

 64.5295, 0.3152,
0.5879

 86.2908, 0.3143,
0.3388

 90.6109, 0.3107,
0.3155

 91.3900, 0.3133,
0.3156

Harmonies

Analogous

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



70.8306, 0.4088, 0.4783



70.8306, 0.3285, 0.4902



70.8306, 0.2484, 0.4342

Triad

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



70.8306, 0.3285, 0.4902



70.8306, 0.1723, 0.2112



70.8306, 0.4477, 0.3020

Complementary

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



70.8306, 0.3285, 0.4902



29.8415, 0.2791, 0.1847

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.



70.8306, 0.3654, 0.2491



70.8306, 0.3285, 0.4902



70.8306, 0.2091, 0.1986

Square

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



70.8306, 0.3285, 0.4902



70.8306, 0.1655, 0.2563



70.8306, 0.2763, 0.2126



70.8306, 0.4861, 0.3632

Rectangle

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



70.8306, 0.3285, 0.4902



70.8306, 0.2062, 0.3704



70.8306, 0.2763, 0.2126



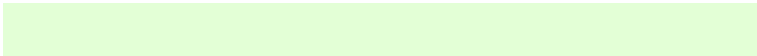
70.8306, 0.4235, 0.2831

Sweetspot

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



70.8336, 0.3285, 0.4902



92.7820, 0.3190, 0.3712



60.0772, 0.4149, 0.4206



19.6800, 0.3197, 0.3771



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.



70.8336, 0.3285, 0.4902



78.0756, 0.3282, 0.5241



67.9703, 0.2949, 0.4749



17.9047, 0.3164, 0.3531



35.0577, 0.3163, 0.5871



2.9682, 0.3262, 0.5792

Inverse Universe

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



29.8415, 0.2791, 0.1847



26.8734, 0.2694, 0.1580



35.1927, 0.3400, 0.2184



15.7601, 0.3086, 0.3054



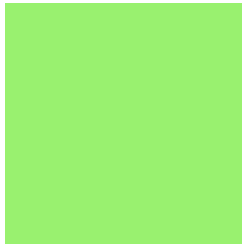
7.7424, 0.2407, 0.1099



0.6975, 0.2514, 0.1159

Previews

White Background



This preview shows how the Yxy color 70.8306, 0.3285, 0.4902 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 70.8306, 0.3285, 0.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

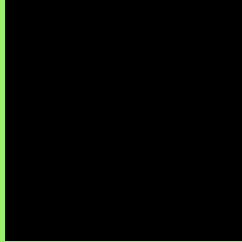
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8306, 0.3285, 0.4902

Background



This preview shows how black text looks on a background with the Yxy color 70.8306, 0.3285, 0.4902.

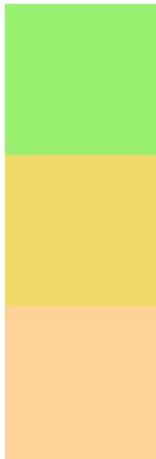


This preview shows how white text looks on a background with the Yxy color 70.8306, 0.3285, 0.4902.

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

70.8306, 0.3285, 0.4902

Protanopia

69.8431, 0.4069, 0.4451

Deuteranopia

69.6202, 0.3907, 0.3889



Tritanopia

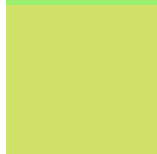
70.6447, 0.2691, 0.3084

Trichromacy



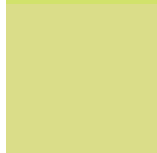
Original Color

70.8306, 0.3285, 0.4902



Protanomaly

69.0096, 0.3757, 0.4618



Deuteranomaly

68.4245, 0.3672, 0.4238



Tritanomaly

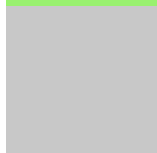
69.9142, 0.2920, 0.3729

Monochromacy



Original Color

70.8306, 0.3285, 0.4902



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

61.4953, 0.3209, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8306, 0.3285, 0.4902 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(153, 241, 111)` looks like.

```
.text, #text, p{  
    color:rgb(153, 241, 111)  
}
```

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(153, 241, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 241, 111) }
```

Border

The CSS property to change the border of an element to Yxy 70.8306, 0.3285, 0.4902 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(153, 241, 111) }
```

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

```
.border{ border-color:rgb(153, 241, 111) }
```

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

Here you see how a box with a 4 pixel rgb(153, 241, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 241, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 241, 111);  
box-shadow:4px 4px 4px 4px rgb(153, 241,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8306, 0.3285, 0.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 241, 111) }
```

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

```
.background{ background-color: rgb(153,  
241, 111) }
```

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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