

Converting Colors

$Yxy(72.0337, 0.3224, 0.4928)$

Have a look what the booklet for
Yxy(72.0337, 0.3224, 0.4928)
contains.

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Color

Yxy(71.9134, 0.3221, 0.4927)

Conversions

Conversions Part 1

Format	Color
Hex	91F471
RGB	145, 244, 113
RGB Percent	57%, 96%, 44%
CMY	0.4313, 0.0431, 0.5568
CMYK	0.41, 0.00, 0.54, 0.04
HSL	105°, 86%, 70%
HSV	105°, 54%, 96%
XYZ	47.0130, 71.9134, 27.0314
YIQ	199.4650, -16.9530, -61.7290

Conversions

Conversions Part 2

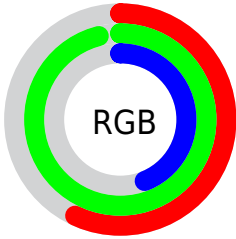
Format	Color
RYB	113, 244, 212
Decimal	9565297
CIELab	87.93, -52.54, 53.49
CIELCh	88, 74.972, 134.487
Yxy	71.9134, 0.3221, 0.4927
Android (android.graphics.Color)	4287755377 (0xFF91F471)
YUV	199.4650, -42.6272, -47.7658
Hunter-Lab	84.8018, -49.4450, 40.4620

Details

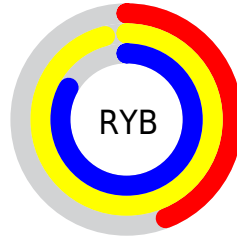
The Yxy color **71.9134, 0.3221, 0.4927** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **32.3433, 0.2889, 0.1892**, and the grayscale version is **57.6941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0437, 0.3294, 0.4250**, and **37.8827, 0.3184, 0.5363** is the 20% darker color. If you saturate the color by 10%, you get **69.8970, 0.3212, 0.5242**, and if you desaturate by 10%, it is **74.3555, 0.3218, 0.4593**.

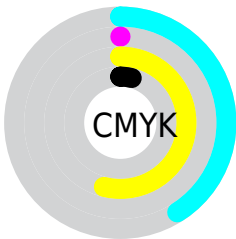
Distribution



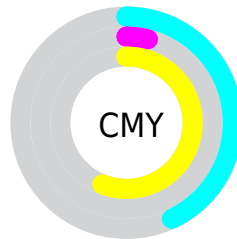
- Red (57%)
- Green (96%)
- Blue (44%)



- Red (44%)
- Yellow (96%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (43%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9134, 0.3221, 0.4927 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 71.9134, 0.3221, 0.4927 by changing the saturation by 10% instead.


 71.9134, 0.3221,
0.4927

 71.9134, 0.3221,
0.4927


467.2401, 0.3222,
0.4119


 53.0879, 0.3207,
0.5119


 121.9334, 0.3232,
0.4639

 37.8730, 0.3181,
0.5358


 153.8967, 0.3233,
0.4529

 25.8841, 0.3134,
0.5661


 191.0081, 0.3233,
0.4436

 16.7370, 0.3049,
0.6052

233.6520, 0.3232,
0.4355

 10.0471, 0.2893,
0.6564

282.2127, 0.3230,
0.4284

 5.4302, 0.2639,
0.7361


337.0748, 0.3227,

 2.5018, 0.1944,


0.4222


0.8056


398.6224, 0.3225,
0.4168


 0.8776, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.9134, 0.3221,
0.4927


 71.9134, 0.3221,
0.4927


 69.8970, 0.3212,
0.5242

 74.3555, 0.3218,
0.4593


 68.2718, 0.3191,
0.5517


 77.2371, 0.3206,
0.4260

 67.0128, 0.3158,
0.5732


 80.5824, 0.3187,
0.3942

 66.0872, 0.3116,
0.5873

 84.4114, 0.3163,
0.3647

 65.6503, 0.3088,
0.5930

 88.7427, 0.3137,
0.3381

 93.1813, 0.3132,
0.3185

Harmonies

Analogous

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



71.9134, 0.4048, 0.4842



71.9134, 0.3221, 0.4927



71.9134, 0.2414, 0.4304

Triad

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



71.9134, 0.3221, 0.4927



71.9134, 0.1713, 0.2068



71.9134, 0.4557, 0.3055

Complementary

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



71.9134, 0.3221, 0.4927



32.3433, 0.2889, 0.1892

Split Complementary

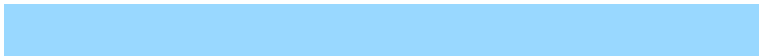
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9134, 0.3735, 0.2509



71.9134, 0.3221, 0.4927



71.9134, 0.2110, 0.1963

Square

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



71.9134, 0.3221, 0.4927



71.9134, 0.1621, 0.2498



71.9134, 0.2815, 0.2123



71.9134, 0.4906, 0.3680

Rectangle

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



71.9134, 0.3221, 0.4927



71.9134, 0.2000, 0.3638



71.9134, 0.2815, 0.2123



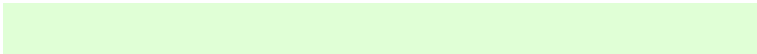
71.9134, 0.4320, 0.2861

Sweetspot

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



71.9165, 0.3221, 0.4927



92.2597, 0.3169, 0.3714



67.1416, 0.4079, 0.4303



19.5566, 0.3174, 0.3774



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.



71.9165, 0.3221, 0.4927



77.1690, 0.3212, 0.5256



70.2817, 0.2899, 0.4595



18.6675, 0.3152, 0.3532



35.7501, 0.3097, 0.5923



3.1881, 0.3182, 0.5856

Inverse Universe

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



32.3433, 0.2889, 0.1892



29.3050, 0.2823, 0.1657



35.7645, 0.3513, 0.2284



16.5524, 0.3099, 0.3054



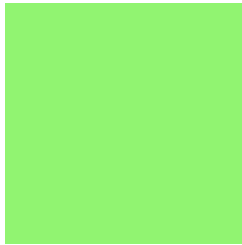
9.1847, 0.2597, 0.1204



0.8547, 0.2677, 0.1248

Previews

White Background



This preview shows how the Yxy color 71.9134, 0.3221, 0.4927 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 71.9134, 0.3221, 0.4927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

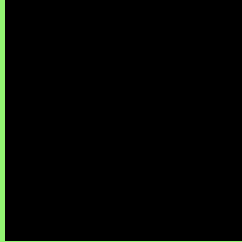
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

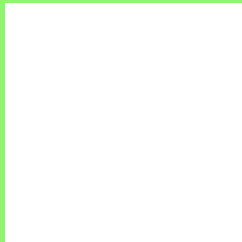
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9134, 0.3221, 0.4927

Background



This preview shows how black text looks on a background with the Yxy color 71.9134, 0.3221, 0.4927.

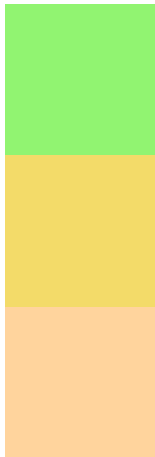


This preview shows how white text looks on a background with the Yxy color 71.9134, 0.3221, 0.4927.

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

71.9134, 0.3221, 0.4927

Protanopia

70.7376, 0.4074, 0.4444

Deuteranopia

70.7813, 0.3863, 0.3858



Tritanopia

71.8060, 0.2646, 0.3084

Trichromacy



Original Color

71.9134, 0.3221, 0.4927



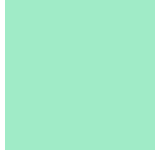
Protanomaly

69.8349, 0.3728, 0.4633



Deuteranomaly

69.6815, 0.3612, 0.4231



Tritanomaly

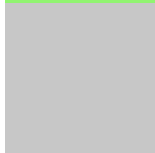
71.0138, 0.2863, 0.3730

Monochromacy



Original Color

71.9134, 0.3221, 0.4927



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

61.0117, 0.3179, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9134, 0.3221, 0.4927 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(145, 244, 113)` looks like.

```
.text, #text, p{  
    color:rgb(145, 244, 113)  
}
```

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(145, 244, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 244, 113) }
```

Border

The CSS property to change the border of an element to Yxy 71.9134, 0.3221, 0.4927 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(145, 244, 113) }
```

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

```
.border{ border-color:rgb(145, 244, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 244, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 244, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 244, 113);  
box-shadow:4px 4px 4px 4px rgb(145, 244,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9134, 0.3221, 0.4927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 244, 113) }
```

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

```
.background{ background-color: rgb(145,  
244, 113) }
```

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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