

Converting Colors

Yxy(68.5285, 0.3126, 0.4692)

Have a look what the booklet for
Yxy(68.5285, 0.3126, 0.4692)
contains.

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Color

Yxy(68.4235, 0.3124, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	8DEE82
RGB	141, 238, 130
RGB Percent	55%, 93%, 51%
CMY	0.4471, 0.0666, 0.4903
CMYK	0.41, 0.00, 0.45, 0.07
HSL	114°, 76%, 72%
HSV	114°, 45%, 93%
XYZ	45.5865, 68.4235, 31.9135
YIQ	196.6850, -23.1440, -54.1520

Conversions

Conversions Part 2

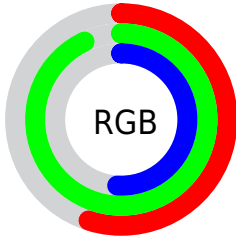
Format	Color
RYB	130, 238, 227
Decimal	9301634
CIELab	86.22, -49.21, 43.39
CIElCh	86, 65.605, 138.599
Yxy	68.4235, 0.3124, 0.4689
Android (android.graphics.Color)	4287491714 (0xFF8DEE82)
YUV	196.6850, -32.8757, -48.8357
Hunter-Lab	82.7185, -46.3853, 35.0284

Details

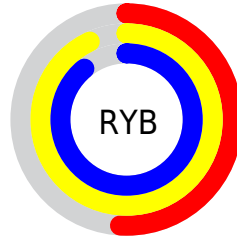
The Yxy color **68.4235, 0.3124, 0.4689** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.4599, 0.3078, 0.2149**, and the grayscale version is **55.8470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1228, 0.3181, 0.4077**, and **35.4826, 0.3081, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **66.1634, 0.3113, 0.5037**, and if you desaturate by 10%, it is **71.1986, 0.3131, 0.4339**.

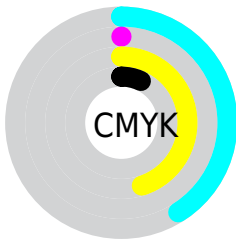
Distribution



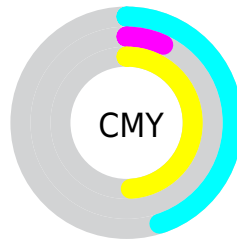
- Red (55%)
- Green (93%)
- Blue (51%)



- Red (51%)
- Yellow (93%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4235, 0.3124, 0.4689 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 68.4235, 0.3124, 0.4689 by changing the saturation by 10% instead.


 68.4235, 0.3124,
0.4689

 68.4235, 0.3124,
0.4689


454.9950, 0.3157,
0.3991


 50.2423, 0.3107,
0.4859


 116.9578, 0.3143,
0.4438

 35.6060, 0.3080,
0.5074


 148.0797, 0.3148,
0.4342

 24.1301, 0.3036,
0.5352

 184.2840, 0.3151,
0.4262

 15.4301, 0.2961,
0.5723

225.9551, 0.3153,
0.4192

 9.1218, 0.2825,
0.6231

273.4773, 0.3155,
0.4132

 4.8207, 0.2645,
0.7166

327.2351, 0.3156,

 2.1425, 0.1908,

0.4079

0.8092

387.6129, 0.3156,
0.4032

0.6883, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.4235, 0.3124,
0.4689

68.4235, 0.3124,
0.4689

66.1634, 0.3113,
0.5037

71.1986, 0.3131,
0.4339

64.3785, 0.3096,
0.5361


74.5087, 0.3133,
0.4006


63.0370, 0.3075,
0.5635


78.3830, 0.3133,
0.3699


62.0995, 0.3052,
0.5835

82.8462, 0.3130,
0.3425

 61.5193, 0.3028,
0.5952

 87.9215, 0.3125,
0.3182

 61.3505, 0.3020,
0.5984

 89.6328, 0.3135,
0.3127

Harmonies

Analogous

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



68.4235, 0.3881, 0.4725



68.4235, 0.3124, 0.4689



68.4235, 0.2409, 0.4069

Triad

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



68.4235, 0.3124, 0.4689



68.4235, 0.1874, 0.2156



68.4235, 0.4473, 0.3167

Complementary

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



68.4235, 0.3124, 0.4689



38.4599, 0.3078, 0.2149

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.



68.4235, 0.3786, 0.2647



68.4235, 0.3124, 0.4689



68.4235, 0.2282, 0.2089

Square

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



68.4235, 0.3124, 0.4689



68.4235, 0.1752, 0.2515



68.4235, 0.2959, 0.2266



68.4235, 0.4723, 0.3749

Rectangle

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



68.4235, 0.3124, 0.4689



68.4235, 0.2054, 0.3484



68.4235, 0.2959, 0.2266



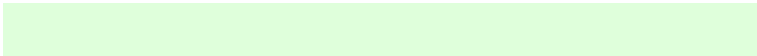
68.4235, 0.4281, 0.2983

Sweetspot

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



68.4264, 0.3124, 0.4689



92.3292, 0.3132, 0.3661



73.8577, 0.3855, 0.4293



19.5356, 0.3133, 0.3724



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.



68.4264, 0.3124, 0.4689



77.6648, 0.3114, 0.4997



68.8516, 0.2849, 0.4159



17.7335, 0.3131, 0.3533



34.2508, 0.3024, 0.5981



2.8750, 0.3079, 0.5938

Inverse Universe

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



38.4599, 0.3078, 0.2149



38.7043, 0.3061, 0.1952



38.1494, 0.3586, 0.2568



15.9447, 0.3122, 0.3056



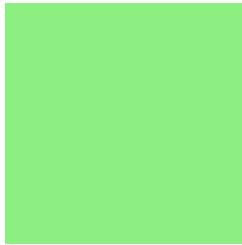
11.4288, 0.2954, 0.1401



0.9742, 0.2989, 0.1420

Previews

White Background



This preview shows how the Yxy color 68.4235, 0.3124, 0.4689 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 68.4235, 0.3124, 0.4689 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 68.4235, 0.3124, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 68.4235, 0.3124, 0.4689.

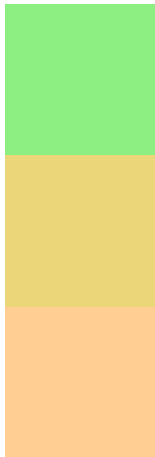


This preview shows how white text looks on a background with the Yxy color 68.4235, 0.3124, 0.4689.

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

68.4235, 0.3124, 0.4689

Protanopia

67.6435, 0.3936, 0.4294

Deuteranopia

67.4779, 0.3969, 0.3910



Tritanopia

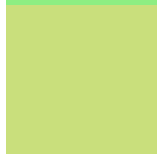
68.0029, 0.2626, 0.3079

Trichromacy



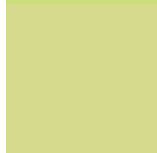
Original Color

68.4235, 0.3124, 0.4689



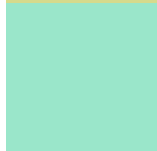
Protanomaly

66.6481, 0.3611, 0.4448



Deuteranomaly

66.3324, 0.3631, 0.4186



Tritanomaly

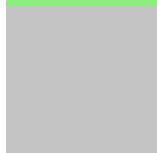
67.7279, 0.2808, 0.3637

Monochromacy



Original Color

68.4235, 0.3124, 0.4689



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.4512, 0.3133, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4235, 0.3124, 0.4689 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(141, 238, 130)` looks like.

```
.text, #text, p{  
    color:rgb(141, 238, 130)  
}
```

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(141, 238, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 238, 130) }
```

Border

The CSS property to change the border of an element to Yxy 68.4235, 0.3124, 0.4689 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(141, 238, 130) }
```

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

```
.border{ border-color:rgb(141, 238, 130) }
```

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

Here you see how a box with a 4 pixel rgb(141, 238, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 238, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 238, 130);  
box-shadow:4px 4px 4px 4px rgb(141, 238,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4235, 0.3124, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 238, 130) }
```

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

```
.background{ background-color: rgb(141,  
238, 130) }
```

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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