

Converting Colors

$Yxy(65.8012, 0.3120, 0.4782)$

Have a look what the booklet for
Yxy(65.8012, 0.3120, 0.4782)
contains.

Yxy(65.8083, 0.3118, 0.4784)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.8083, 0.3118, 0.4784)

Conversions

Conversions Part 1

Format	Color
Hex	85EB7A
RGB	133, 235, 122
RGB Percent	52%, 92%, 48%
CMY	0.4786, 0.0784, 0.5215
CMYK	0.43, 0.00, 0.48, 0.08
HSL	114°, 74%, 70%
HSV	114°, 48%, 92%
XYZ	42.8909, 65.8083, 28.8599
YIQ	191.6200, -24.5190, -56.7670

Conversions

Conversions Part 2

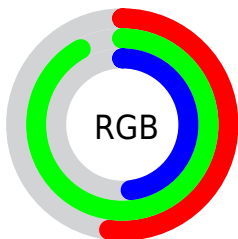
Format	Color
RYB	122, 235, 224
Decimal	8776570
CIELab	84.90, -51.40, 45.49
CIELCh	85, 68.636, 138.487
Yxy	65.8083, 0.3118, 0.4784
Android (android.graphics.Color)	4286966650 (0xFF85EB7A)
YUV	191.6200, -34.3227, -51.4097
Hunter-Lab	81.1223, -47.5876, 35.6927

Details

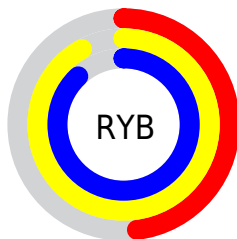
The Yxy color **65.8083, 0.3118, 0.4784** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.7803, 0.3079, 0.2090**, and the grayscale version is **52.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7310, 0.3175, 0.4182**, and **33.7788, 0.3067, 0.5199** is the 20% darker color. If you saturate the color by 10%, you get **63.7412, 0.3105, 0.5129**, and if you desaturate by 10%, it is **68.3708, 0.3126, 0.4432**.

Distribution



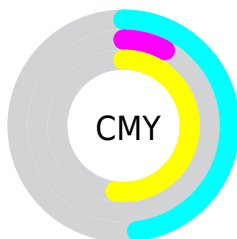
- Red (52%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (8%)




- Cyan (48%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8083, 0.3118, 0.4784 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 65.8083, 0.3118, 0.4784 by changing the saturation by 10% instead.


 65.8083, 0.3118,
0.4784


 65.8083, 0.3118,
0.4784


445.6910, 0.3158,
0.4032


 48.1168, 0.3097,
0.4969


 113.2111, 0.3141,
0.4512

 33.9194, 0.3065,
0.5202


 143.6913, 0.3147,
0.4409

 22.8317, 0.3012,
0.5505


 179.2031, 0.3151,
0.4322

 14.4693, 0.2921,
0.5908

220.1310, 0.3154,
0.4248

 8.4478, 0.2756,
0.6458

266.8593, 0.3156,
0.4183

 4.3828, 0.2526,
0.7474

319.7725, 0.3157,

 1.8899, 0.1421,

0.4126

0.8579

379.2549, 0.3158,
0.4076

■ 0.5423, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8083, 0.3118,
0.4784

■ 65.8083, 0.3118,
0.4784

■ 63.7412, 0.3105,
0.5129

■ 68.3708, 0.3126,
0.4432

■ 62.1296, 0.3087,
0.5442

■ 71.4491, 0.3131,
0.4093

■ 60.9412, 0.3066,
0.5697


■ 75.0723, 0.3132,
0.3779


■ 60.1356, 0.3043,
0.5876

■ 79.2651, 0.3130,
0.3495

 59.6624, 0.3021,
0.5972

 84.0507, 0.3126,
0.3244

 59.6010, 0.3019,
0.5985

 87.9016, 0.3136,
0.3097

Harmonies

Analogous

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



65.8083, 0.3914, 0.4804



65.8083, 0.3118, 0.4784



65.8083, 0.2367, 0.4123

Triad

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



65.8083, 0.3118, 0.4784



65.8083, 0.1812, 0.2098



65.8083, 0.4551, 0.3151

Complementary

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



65.8083, 0.3118, 0.4784



35.7803, 0.3079, 0.2090

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.



65.8083, 0.3820, 0.2611



65.8083, 0.3118, 0.4784



65.8083, 0.2234, 0.2030

Square

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



65.8083, 0.3118, 0.4784



65.8083, 0.1685, 0.2470



65.8083, 0.2943, 0.2215



65.8083, 0.4813, 0.3757

Rectangle

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



65.8083, 0.3118, 0.4784



65.8083, 0.1996, 0.3495



65.8083, 0.2943, 0.2215



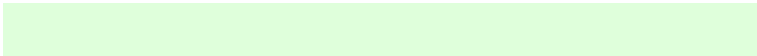
65.8083, 0.4347, 0.2960

Sweetspot

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



65.8111, 0.3118, 0.4784



92.2999, 0.3131, 0.3661



72.2248, 0.3887, 0.4363



19.5286, 0.3131, 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.



65.8111, 0.3118, 0.4784



76.6796, 0.3105, 0.5135



66.3587, 0.2828, 0.4194



16.9319, 0.3130, 0.3533



33.1923, 0.3023, 0.5982



2.6301, 0.3078, 0.5938

Inverse Universe

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



35.7803, 0.3079, 0.2090



36.3994, 0.3060, 0.1873



35.2975, 0.3645, 0.2548



15.2353, 0.3122, 0.3057



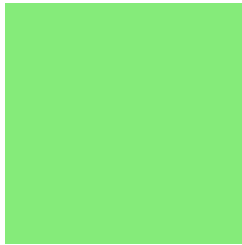
11.1788, 0.2967, 0.1408



0.8994, 0.3002, 0.1428

Previews

White Background



This preview shows how the Yxy color 65.8083, 0.3118, 0.4784 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 65.8083, 0.3118, 0.4784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

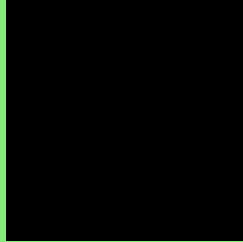
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8083, 0.3118, 0.4784

Background



This preview shows how black text looks on a background with the Yxy color 65.8083, 0.3118, 0.4784.



This preview shows how white text looks on a background with the Yxy color 65.8083, 0.3118, 0.4784.

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

65.8083, 0.3118, 0.4784

Protanopia

64.9592, 0.3977, 0.4334

Deuteranopia

64.6450, 0.4111, 0.4017



Tritanopia

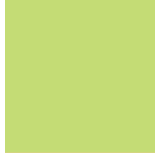
65.6017, 0.2604, 0.3075

Trichromacy



Original Color

65.8083, 0.3118, 0.4784



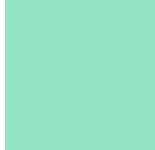
Protanomaly

64.2065, 0.3624, 0.4513



Deuteranomaly

62.9697, 0.3711, 0.4289



Tritanomaly

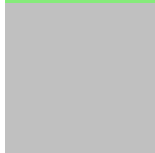
65.2653, 0.2798, 0.3670

Monochromacy



Original Color

65.8083, 0.3118, 0.4784



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.5597, 0.3132, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8083, 0.3118, 0.4784 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(133, 235, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 235, 122)  
}
```

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(133, 235, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 235, 122) }
```

Border

The CSS property to change the border of an element to Yxy 65.8083, 0.3118, 0.4784 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(133, 235, 122) }
```

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

```
.border{ border-color:rgb(133, 235, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 235, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 235, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 235, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 235,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8083, 0.3118, 0.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 235, 122) }
```

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

```
.background{ background-color: rgb(133,  
235, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor