

Converting Colors

Yxy(68.8186, 0.3115, 0.4811)

Have a look what the booklet for
Yxy(68.8186, 0.3115, 0.4811)
contains.

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Color

Yxy(68.8186, 0.3115, 0.4811)

Conversions

Conversions Part 1

Format	Color
Hex	86F07B
RGB	134, 240, 123
RGB Percent	53%, 94%, 48%
CMY	0.4748, 0.0588, 0.5177
CMYK	0.44, 0.00, 0.49, 0.06
HSL	114°, 80%, 71%
HSV	114°, 49%, 94%
XYZ	44.5583, 68.8186, 29.6674
YIQ	194.9680, -25.6190, -58.8590

Conversions

Conversions Part 2

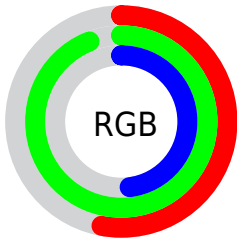
Format	Color
RYB	123, 240, 229
Decimal	8843387
CIELab	86.41, -53.02, 46.92
CIELCh	86, 70.799, 138.496
Yxy	68.8186, 0.3115, 0.4811
Android (android.graphics.Color)	4287033467 (0xFF86F07B)
YUV	194.9680, -35.4802, -53.4689
Hunter-Lab	82.9570, -49.2978, 36.8664

Details

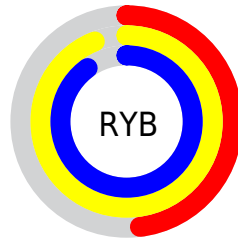
The Yxy color **68.8186, 0.3115, 0.4811** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.1221, 0.3081, 0.2074**, and the grayscale version is **54.7719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9008, 0.3175, 0.4169**, and **35.8178, 0.3059, 0.5224** is the 20% darker color. If you saturate the color by 10%, you get **66.6859, 0.3101, 0.5155**, and if you desaturate by 10%, it is **71.4721, 0.3124, 0.4458**.

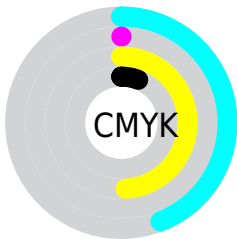
Distribution



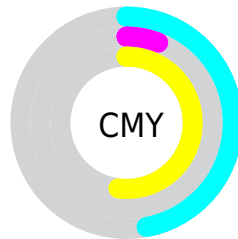
- Red (53%)
- Green (94%)
- Blue (48%)



- Red (48%)
- Yellow (94%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (49%)
- Black (6%)





- Cyan (47%)
- Magenta (6%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8186, 0.3115, 0.4811 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 68.8186, 0.3115, 0.4811 by changing the saturation by 10% instead.


 68.8186, 0.3115,
0.4811


 68.8186, 0.3115,
0.4811

456.3909, 0.3158,
0.4051

 50.5640, 0.3094,
0.4996


 117.5224, 0.3139,
0.4537

 35.8617, 0.3060,
0.5229


 148.7405, 0.3145,
0.4434

 24.3274, 0.3006,
0.5529


 185.0484, 0.3150,
0.4346

 15.5767, 0.2916,
0.5927

226.8307, 0.3153,
0.4270

 9.2251, 0.2754,
0.6464

274.4717, 0.3155,
0.4204

 4.8883, 0.2538,
0.7462


328.3558, 0.3156,


 2.1819, 0.1655,


0.4147


0.8345


388.8674, 0.3157,
0.4096

 0.7101, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 68.8186, 0.3115,
0.4811


 68.8186, 0.3115,
0.4811


 66.6859, 0.3101,
0.5155


 71.4721, 0.3124,
0.4458


 65.0316, 0.3083,
0.5465


 74.6682, 0.3129,
0.4117


 63.8208, 0.3062,
0.5716

 78.4381, 0.3131,
0.3800

 63.0101, 0.3040,
0.5887

 82.8081, 0.3130,
0.3514

 62.5439, 0.3019,
0.5978

 87.8028, 0.3127,
0.3260

 62.5046, 0.3017,
0.5986

 90.8087, 0.3134,
0.3146

Harmonies

Analogous

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



68.8186, 0.3922, 0.4827



68.8186, 0.3115, 0.4811



68.8186, 0.2354, 0.4137

Triad

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



68.8186, 0.3115, 0.4811



68.8186, 0.1794, 0.2081



68.8186, 0.4574, 0.3147

Complementary

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



68.8186, 0.3115, 0.4811



37.1221, 0.3081, 0.2074

Split Complementary

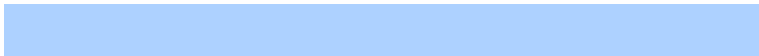
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8186, 0.3831, 0.2601



68.8186, 0.3115, 0.4811



68.8186, 0.2221, 0.2014

Square

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



68.8186, 0.3115, 0.4811



68.8186, 0.1666, 0.2456



68.8186, 0.2940, 0.2201



68.8186, 0.4838, 0.3760

Rectangle

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



68.8186, 0.3115, 0.4811



68.8186, 0.1979, 0.3496



68.8186, 0.2940, 0.2201



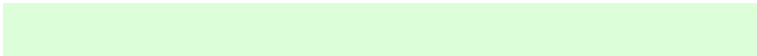
68.8186, 0.4367, 0.2954

Sweetspot

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



68.8215, 0.3115, 0.4811



91.7839, 0.3130, 0.3690



75.6157, 0.3899, 0.4377



19.4260, 0.3131, 0.3752



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.



68.8215, 0.3115, 0.4811



76.4266, 0.3101, 0.5169



69.4330, 0.2824, 0.4211



17.7271, 0.3130, 0.3533



34.2359, 0.3022, 0.5983



2.8719, 0.3072, 0.5943

Inverse Universe

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



37.1221, 0.3081, 0.2074



35.9182, 0.3063, 0.1855



36.5490, 0.3656, 0.2537



15.9518, 0.3123, 0.3056



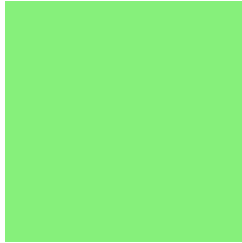
11.5960, 0.2975, 0.1412



0.9864, 0.3008, 0.1430

Previews

White Background



This preview shows how the Yxy color 68.8186, 0.3115, 0.4811 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 68.8186, 0.3115, 0.4811 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

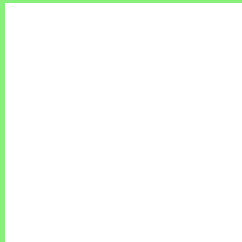
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8186, 0.3115, 0.4811

Background



This preview shows how black text looks on a background with the Yxy color 68.8186, 0.3115, 0.4811.



This preview shows how white text looks on a background with the Yxy color 68.8186, 0.3115, 0.4811.

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

68.8186, 0.3115, 0.4811

Protanopia

67.8203, 0.3996, 0.4353

Deuteranopia

67.4469, 0.3976, 0.3920



Tritanopia

68.2544, 0.2596, 0.3067

Trichromacy



Original Color

68.8186, 0.3115, 0.4811



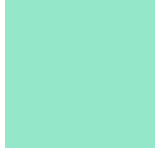
Protanomaly

66.8750, 0.3640, 0.4535



Deuteranomaly

65.7978, 0.3627, 0.4228



Tritanomaly

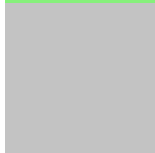
67.7584, 0.2786, 0.3665

Monochromacy



Original Color

68.8186, 0.3115, 0.4811



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.3373, 0.3131, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8186, 0.3115, 0.4811 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(134, 240, 123)` looks like.

```
.text, #text, p{  
    color:rgb(134, 240, 123)  
}
```

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(134, 240, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 240, 123) }
```

Border

The CSS property to change the border of an element to Yxy 68.8186, 0.3115, 0.4811 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(134, 240, 123) }
```

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

```
.border{ border-color:rgb(134, 240, 123) }
```

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

Here you see how a box with a 4 pixel rgb(134, 240, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 240, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 240, 123);  
box-shadow:4px 4px 4px 4px rgb(134, 240,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8186, 0.3115, 0.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 240, 123) }
```

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

```
.background{ background-color: rgb(134,  
240, 123) }
```

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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