

Converting Colors

$Yxy(83.5719, 0.3316, 0.4604)$

Have a look what the booklet for
Yxy(83.5719, 0.3316, 0.4604)
contains.

Yxy(83.6038, 0.3318, 0.4603)	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(83.6038, 0.3318, 0.4603)

Conversions

Conversions Part 1

Format	Color
Hex	B8FF8C
RGB	184, 255, 140
RGB Percent	72%, 100%, 55%
CMY	0.2783, 0.0000, 0.4511
CMYK	0.28, 0.00, 0.45, 0.00
HSL	97°, 100%, 77%
HSV	97°, 45%, 100%
XYZ	60.2645, 83.6038, 37.7607
YIQ	220.6610, -5.4010, -50.8170

Conversions

Conversions Part 2

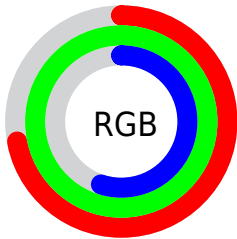
Format	Color
RYB	140, 255, 211
Decimal	12124044
CIELab	93.28, -41.48, 47.90
CIELCh	93, 63.360, 130.894
Yxy	83.6038, 0.3318, 0.4603
Android (android.graphics.Color)	4290314124 (0xFFB8FF8C)
YUV	220.6610, -39.7659, -32.1517
Hunter-Lab	91.4351, -42.3629, 39.5191

Details

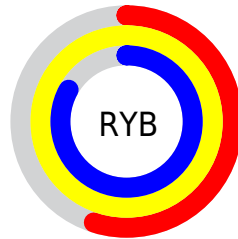
The Yxy color **83.6038, 0.3318, 0.4603** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.8092, 0.2805, 0.2057**, and the grayscale version is **72.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3374, 0.3397, 0.3897**, and **45.6655, 0.3325, 0.4927** is the 20% darker color. If you saturate the color by 10%, you get **81.1033, 0.3336, 0.4917**, and if you desaturate by 10%, it is **86.5008, 0.3287, 0.4285**.

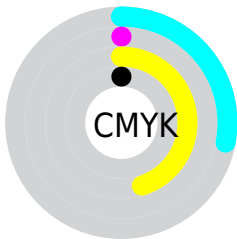
Distribution



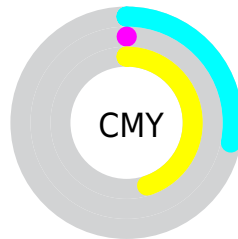
- Red (72%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (83%)



- Cyan (28%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6038, 0.3318, 0.4603 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 83.6038, 0.3318, 0.4603 by changing the saturation by 10% instead.


 83.6038, 0.3318,
0.4603

 83.6038, 0.3318,
0.4603


506.9966, 0.3260,
0.3979

 62.6884, 0.3323,
0.4747


 138.4208, 0.3305,
0.4385

 45.5892, 0.3324,
0.4924

 173.0912, 0.3297,
0.4300

 31.9217, 0.3318,
0.5146

213.1154, 0.3290,
0.4228

 21.3017, 0.3297,
0.5432

258.8777, 0.3283,
0.4165

 13.3447, 0.3244,
0.5807

310.7626, 0.3277,
0.4110

 7.6664, 0.3131,
0.6322

369.1544, 0.3271,

 3.8822, 0.2903,

0.4061

0.7097

434.4377, 0.3265,
0.4018

■ 1.6079, 0.1930,
0.8070

■ 0.3629, 0.0000,
1.0000

■ 83.6038, 0.3318,
0.4603

■ 83.6038, 0.3318,
0.4603

■ 81.1033, 0.3336,
0.4917

■ 86.5008, 0.3287,
0.4285

■ 78.9708, 0.3339,
0.5209

■ 89.8029, 0.3247,
0.3976

■ 77.1883, 0.3322,
0.5461

■ 93.5297, 0.3201,
0.3685

■ 75.7318, 0.3287,
0.5657

■ 97.6968, 0.3152,
0.3417

■ 74.5731, 0.3237,
0.5788

100.0000, 0.3127,
0.3290

■ 74.0983, 0.3209,
0.5834

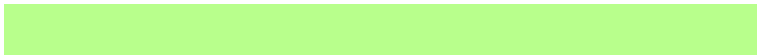
Harmonies

Analogous

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



83.6038, 0.3987, 0.4531



83.6038, 0.3318, 0.4603



83.6038, 0.2634, 0.4167

Triad

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



83.6038, 0.3318, 0.4603



83.6038, 0.1921, 0.2314



83.6038, 0.4213, 0.3055

Complementary

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



83.6038, 0.3318, 0.4603



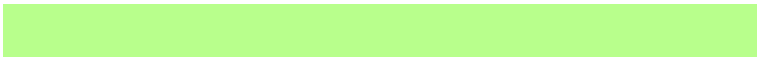
39.8092, 0.2805, 0.2057

Split Complementary

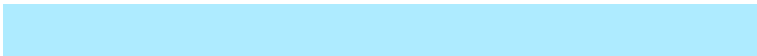
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6038, 0.3535, 0.2597



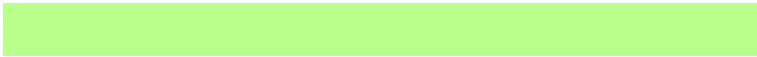
83.6038, 0.3318, 0.4603



83.6038, 0.2234, 0.2180

Square

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



83.6038, 0.3318, 0.4603



83.6038, 0.1879, 0.2727



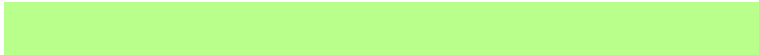
83.6038, 0.2800, 0.2287



83.6038, 0.4560, 0.3588

Rectangle

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



83.6038, 0.3318, 0.4603



83.6038, 0.2264, 0.3673



83.6038, 0.2800, 0.2287



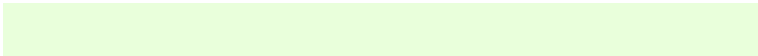
83.6038, 0.4012, 0.2890

Sweetspot

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



83.6068, 0.3318, 0.4603



93.9695, 0.3195, 0.3654



69.6949, 0.3990, 0.4016



19.9311, 0.3206, 0.3714



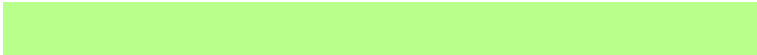
0.0000, 0.0000, 0.0000



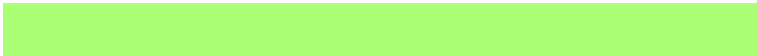
21.4041, 0.3127, 0.3290

Same Dimension

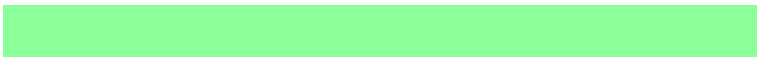
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6068, 0.3318, 0.4603



81.3620, 0.3335, 0.4883



79.4062, 0.2998, 0.4547



20.5072, 0.3174, 0.3532



38.7970, 0.3221, 0.5825



3.8380, 0.3308, 0.5755

Inverse Universe

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



39.8092, 0.2805, 0.2057



32.6053, 0.2718, 0.1813



46.3943, 0.3294, 0.2296



17.9326, 0.3076, 0.3051



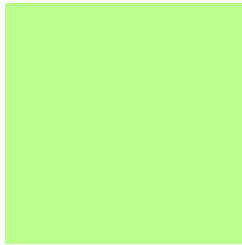
7.6241, 0.2268, 0.1023



0.8052, 0.2373, 0.1081

Previews

White Background



This preview shows how the Yxy color 83.6038, 0.3318, 0.4603 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 83.6038, 0.3318, 0.4603 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

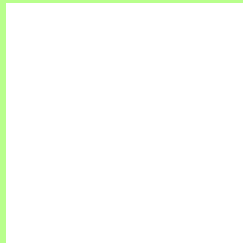
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6038, 0.3318, 0.4603

Background



This preview shows how black text looks on a background with the Yxy color 83.6038, 0.3318, 0.4603.

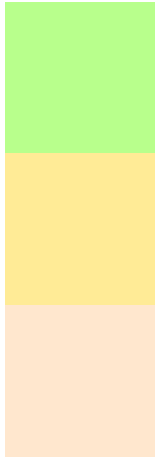


This preview shows how white text looks on a background with the Yxy color 83.6038, 0.3318, 0.4603.

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

83.6038, 0.3318, 0.4603

Protanopia

82.8787, 0.3820, 0.4141

Deuteranopia

82.8681, 0.3460, 0.3542



Tritanopia

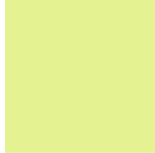
83.2418, 0.2852, 0.3133

Trichromacy



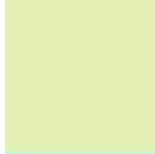
Original Color

83.6038, 0.3318, 0.4603



Protanomaly

82.2376, 0.3628, 0.4308



Deuteranomaly

82.3556, 0.3414, 0.3910



Tritanomaly

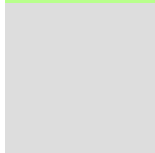
82.5264, 0.3035, 0.3643

Monochromacy



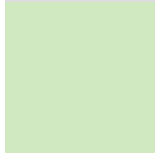
Original Color

83.6038, 0.3318, 0.4603



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4935, 0.3214, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6038, 0.3318, 0.4603 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(184, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 140)  
}
```

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(184, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 83.6038, 0.3318, 0.4603 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(184, 255, 140) }
```

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

```
.border{ border-color:rgb(184, 255, 140) }
```

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

Here you see how a box with a 4 pixel rgb(184, 255, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6038, 0.3318, 0.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 140) }
```

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

```
.background{ background-color: rgb(184,  
255, 140) }
```

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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