

Converting Colors

Yxy(83.8623, 0.3332, 0.4599)

Have a look what the booklet for
Yxy(83.8623, 0.3332, 0.4599)
contains.

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Color

Yxy(83.8526, 0.3330, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	BAFF8C
RGB	186, 255, 140
RGB Percent	73%, 100%, 55%
CMY	0.2707, 0.0000, 0.4508
CMYK	0.27, 0.00, 0.45, 0.00
HSL	96°, 100%, 77%
HSV	96°, 45%, 100%
XYZ	60.7416, 83.8526, 37.8130
YIQ	221.2590, -4.2090, -50.3930

Conversions

Conversions Part 2

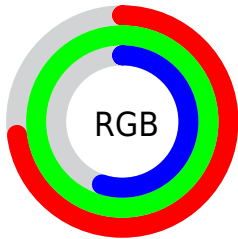
Format	Color
RYB	140, 255, 209
Decimal	12255116
CIELab	93.39, -40.82, 48.02
CIELCh	93, 63.020, 130.365
Yxy	83.8526, 0.3330, 0.4597
Android (android.graphics.Color)	4290445196 (0xFFBAFF8C)
YUV	221.2590, -40.0607, -30.9221
Hunter-Lab	91.5711, -41.8454, 39.6168

Details

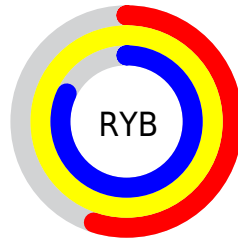
The Yxy color **83.8526, 0.3330, 0.4597** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.5573, 0.2789, 0.2053**, and the grayscale version is **72.7850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6932, 0.3410, 0.3894**, and **45.8221, 0.3340, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **81.3676, 0.3351, 0.4908**, and if you desaturate by 10%, it is **86.7141, 0.3296, 0.4281**.

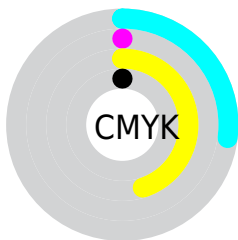
Distribution



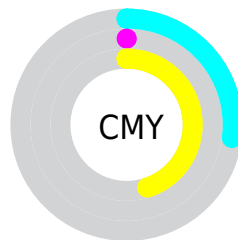
- Red (73%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8526, 0.3330, 0.4597 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 83.8526, 0.3330, 0.4597 by changing the saturation by 10% instead.


 83.8526, 0.3330,
0.4597

 83.8526, 0.3330,
0.4597


507.8236, 0.3266,
0.3977

 62.8937, 0.3336,
0.4740


 138.7690, 0.3315,
0.4380

 45.7553, 0.3339,
0.4915


 173.4953, 0.3307,
0.4296

 32.0527, 0.3335,
0.5136


213.5795, 0.3299,
0.4224

 21.4018, 0.3316,
0.5418

259.4061, 0.3292,
0.4162

 13.4180, 0.3267,
0.5789

311.3594, 0.3285,
0.4107

 7.7170, 0.3160,
0.6296


369.8238, 0.3278,


 3.9144, 0.2941,


0.4058


0.7059


435.1838, 0.3272,
0.4015


 1.6258, 0.2023,
0.7977


 0.3749, 0.0000,
1.0000

 83.8526, 0.3330,
0.4597


 83.8526, 0.3330,
0.4597


 81.3676, 0.3351,
0.4908


 86.7141, 0.3296,
0.4281


 79.2454, 0.3355,
0.5198

 89.9743, 0.3253,
0.3973

 77.4639, 0.3340,
0.5448

 93.6475, 0.3205,
0.3683

 75.9997, 0.3306,
0.5643

 97.7488, 0.3153,
0.3416

■ 74.8254, 0.3255,
0.5774

100.0000, 0.3127,
0.3290

■ 74.3376, 0.3227,
0.5819

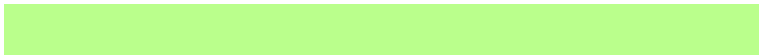
Harmonies

Analogous

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



83.8526, 0.3993, 0.4519



83.8526, 0.3330, 0.4597



83.8526, 0.2649, 0.4173

Triad

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



83.8526, 0.3330, 0.4597



83.8526, 0.1925, 0.2324



83.8526, 0.4197, 0.3048

Complementary

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



83.8526, 0.3330, 0.4597



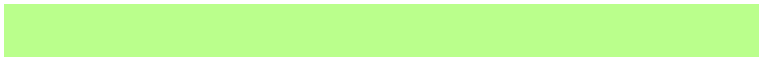
39.5573, 0.2789, 0.2053

Split Complementary

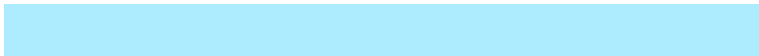
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8526, 0.3519, 0.2594



83.8526, 0.3330, 0.4597



83.8526, 0.2231, 0.2186

Square

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



83.8526, 0.3330, 0.4597



83.8526, 0.1888, 0.2741



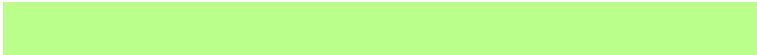
83.8526, 0.2790, 0.2289



83.8526, 0.4548, 0.3577

Rectangle

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



83.8526, 0.3330, 0.4597



83.8526, 0.2277, 0.3685



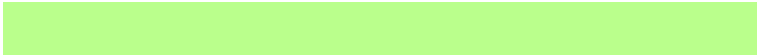
83.8526, 0.2790, 0.2289



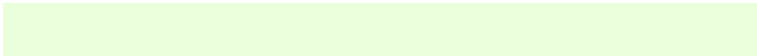
83.8526, 0.3995, 0.2885

Sweetspot

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



83.8509, 0.3330, 0.4597



94.0688, 0.3199, 0.3653



68.7658, 0.3998, 0.3997



19.9552, 0.3210, 0.3714



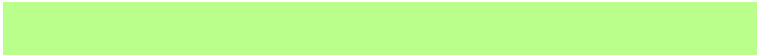
0.0000, 0.0000, 0.0000



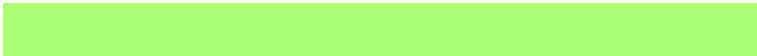
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8509, 0.3330, 0.4597



81.6176, 0.3349, 0.4875



79.3520, 0.3007, 0.4570



20.5222, 0.3176, 0.3531



38.9240, 0.3239, 0.5810



3.8513, 0.3327, 0.5741

Inverse Universe

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



39.5573, 0.2789, 0.2053



32.2900, 0.2698, 0.1805



46.5326, 0.3277, 0.2280



17.9172, 0.3074, 0.3051



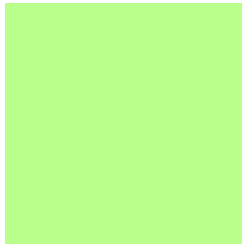
7.4067, 0.2231, 0.1002



0.7847, 0.2339, 0.1062

Previews

White Background



This preview shows how the Yxy color 83.8526, 0.3330, 0.4597 looks on a white background.

Color Contrast Check

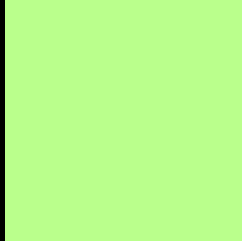
Large Text (above 18pt) WCAG AA × Fail

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 83.8526, 0.3330, 0.4597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

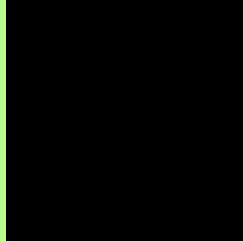
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

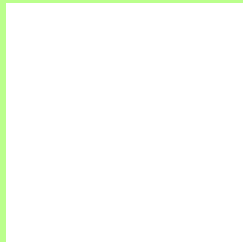
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8526, 0.3330, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 83.8526, 0.3330, 0.4597.

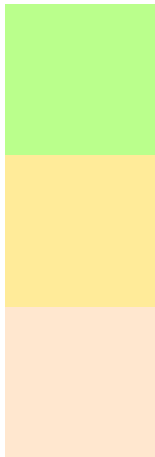


This preview shows how white text looks on a background with the Yxy color 83.8526, 0.3330, 0.4597.

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

83.8526, 0.3330, 0.4597

Protanopia

82.9766, 0.3801, 0.4112

Deuteranopia

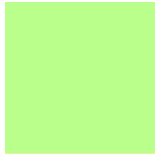
82.9168, 0.3454, 0.3532



Tritanopia

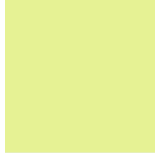
83.5372, 0.2864, 0.3133

Trichromacy



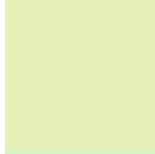
Original Color

83.8526, 0.3330, 0.4597



Protanomaly

82.4654, 0.3623, 0.4285



Deuteranomaly

82.5621, 0.3415, 0.3898



Tritanomaly

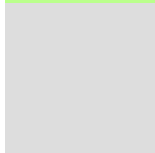
82.8054, 0.3047, 0.3642

Monochromacy



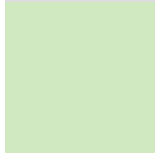
Original Color

83.8526, 0.3330, 0.4597



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 83.8526, 0.3330, 0.4597 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(186, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 140) }
```

Border

The CSS property to change the border of an element to Yxy 83.8526, 0.3330, 0.4597 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(186, 255, 140) }
```

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

```
.border{ border-color:rgb(186, 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(186, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8526, 0.3330, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 140) }
```

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

```
.background{ background-color: rgb(186,  
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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