

Converting Colors

Yxy(87.1405, 0.3159, 0.4044)

Have a look what the booklet for
Yxy(87.1405, 0.3159, 0.4044)
contains.

Yxy(87.1136, 0.3158, 0.4045)	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(87.1136, 0.3158, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFBB
RGB	198, 255, 187
RGB Percent	78%, 100%, 73%
CMY	0.2236, 0.0000, 0.2667
CMYK	0.22, 0.00, 0.27, 0.00
HSL	110°, 100%, 87%
HSV	110°, 27%, 100%
XYZ	68.0111, 87.1136, 60.2365
YIQ	230.2050, -12.1440, -33.2320

Conversions

Conversions Part 2

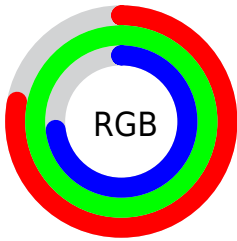
Format	Color
RYB	187, 255, 244
Decimal	13041595
CIELab	94.79, -30.31, 26.83
CIELCh	95, 40.479, 138.490
Yxy	87.1136, 0.3158, 0.4045
Android (android.graphics.Color)	4291231675 (0xFFC6FFBB)
YUV	230.2050, -21.3001, -28.2438
Hunter-Lab	93.3347, -33.2664, 27.0696

Details

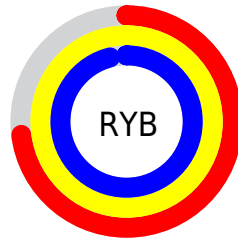
The Yxy color **87.1136, 0.3158, 0.4045** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9928, 0.3075, 0.2606**, and the grayscale version is **79.4490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **47.9213, 0.3158, 0.4232** is the 20% darker color. If you saturate the color by 10%, you get **83.4091, 0.3163, 0.4377**, and if you desaturate by 10%, it is **91.4130, 0.3149, 0.3737**.

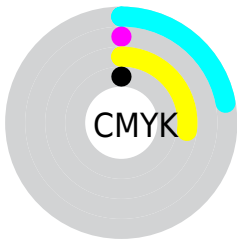
Distribution



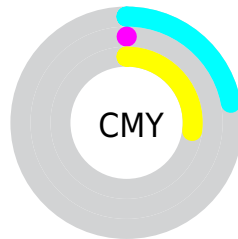
- Red (78%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (96%)



- Cyan (22%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1136, 0.3158, 0.4045 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 87.1136, 0.3158, 0.4045 by changing the saturation by 10% instead.


 87.1136, 0.3158,
0.4045

 87.1136, 0.3158,
0.4045

518.5961, 0.3153,
0.3692

 65.5892, 0.3157,
0.4126

 143.3225, 0.3158,
0.3922

 47.9390, 0.3154,
0.4227


178.7757, 0.3157,
0.3874

 33.7786, 0.3150,
0.4355


219.6408, 0.3157,
0.3833

 22.7236, 0.3140,
0.4522

266.3020, 0.3156,
0.3797

 14.3895, 0.3121,
0.4749

319.1437, 0.3155,
0.3766

 8.3921, 0.3083,
0.5073

378.5504, 0.3154,

 4.3468, 0.2999,

0.3738

0.5567

444.9064, 0.3154,
0.3714

1.8694, 0.3038,
0.6962

0.5299, 0.0000,
1.0000

87.1136, 0.3158,
0.4045

87.1136, 0.3158,
0.4045

83.4091, 0.3163,
0.4377

91.4130, 0.3149,
0.3737

80.2860, 0.3162,
0.4723

96.3467, 0.3136,
0.3458

77.7101, 0.3154,
0.5064

100.0000, 0.3127,
0.3290

75.6492, 0.3138,
0.5378

■ 74.0678, 0.3114,
0.5641

■ 72.9253, 0.3083,
0.5832

■ 72.1740, 0.3050,
0.5943

■ 71.9949, 0.3041,
0.5968

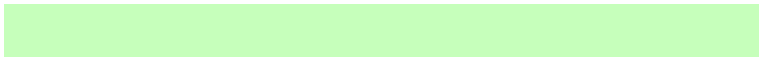
Harmonies

Analogous

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



87.1136, 0.3602, 0.4113



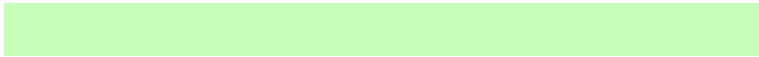
87.1136, 0.3158, 0.4045



87.1136, 0.2725, 0.3719

Triad

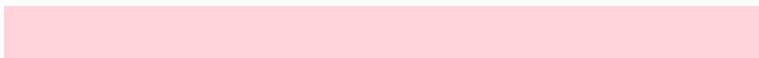
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1136, 0.3158, 0.4045



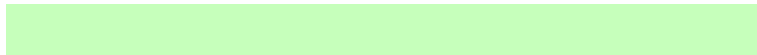
87.1136, 0.2364, 0.2617



87.1136, 0.3889, 0.3244

Complementary

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



87.1136, 0.3158, 0.4045



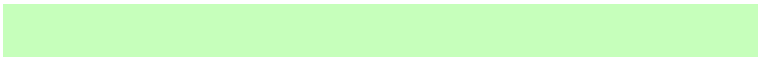
61.9928, 0.3075, 0.2606

Split Complementary

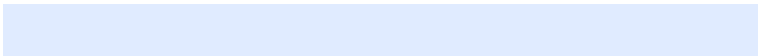
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1136, 0.3510, 0.2907



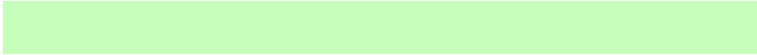
87.1136, 0.3158, 0.4045



87.1136, 0.2629, 0.2554

Square

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



87.1136, 0.3158, 0.4045



87.1136, 0.2288, 0.2863



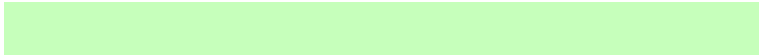
87.1136, 0.3042, 0.2661



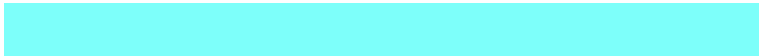
87.1136, 0.4045, 0.3612

Rectangle

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



87.1136, 0.3158, 0.4045



87.1136, 0.2499, 0.3419



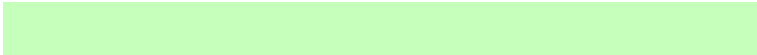
87.1136, 0.3042, 0.2661



87.1136, 0.3782, 0.3125

Sweetspot

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



87.1090, 0.3158, 0.4045



95.6538, 0.3138, 0.3494



89.3473, 0.3559, 0.3856



20.3089, 0.3140, 0.3534



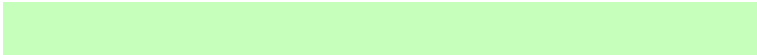
0.0000, 0.0000, 0.0000



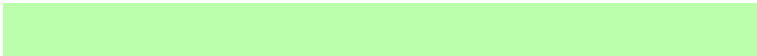
21.4041, 0.3127, 0.3290

Same Dimension

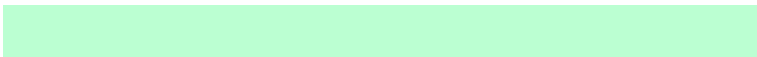
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1090, 0.3158, 0.4045



85.0638, 0.3161, 0.4220



86.7197, 0.2969, 0.3796



20.3089, 0.3140, 0.3534



37.6601, 0.3047, 0.5963



3.7051, 0.3109, 0.5913

Inverse Universe

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



61.9928, 0.3075, 0.2606



56.1072, 0.3061, 0.2466



62.6411, 0.3330, 0.2834



18.1432, 0.3112, 0.3054



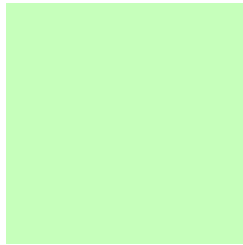
11.2847, 0.2803, 0.1318



1.1367, 0.2852, 0.1345

Previews

White Background



This preview shows how the Yxy color 87.1136, 0.3158, 0.4045 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 87.1136, 0.3158, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

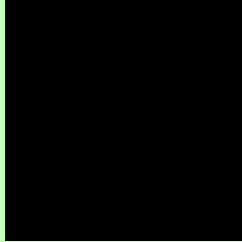
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

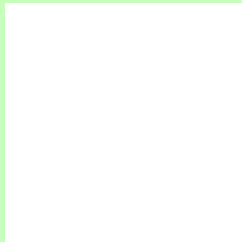
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1136, 0.3158, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 87.1136, 0.3158, 0.4045.

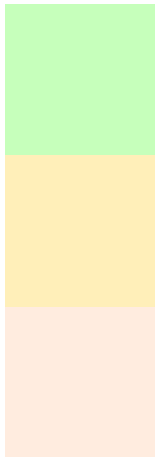


This preview shows how white text looks on a background with the Yxy color 87.1136, 0.3158, 0.4045.

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

87.1136, 0.3158, 0.4045

Protanopia

86.4958, 0.3583, 0.3832

Deuteranopia

86.5786, 0.3339, 0.3419



Tritanopia

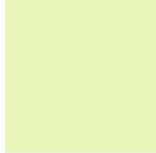
87.0092, 0.2932, 0.3167

Trichromacy



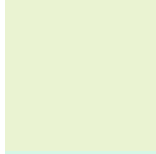
Original Color

87.1136, 0.3158, 0.4045



Protanomaly

86.3424, 0.3415, 0.3908



Deuteranomaly

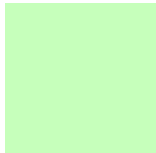
86.2468, 0.3270, 0.3633



Tritanomaly

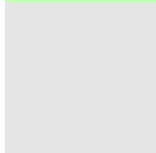
86.5308, 0.3018, 0.3470

Monochromacy



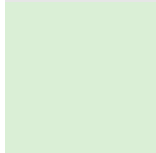
Original Color

87.1136, 0.3158, 0.4045



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4935, 0.3141, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1136, 0.3158, 0.4045 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(198, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 187)  
}
```

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(198, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 87.1136, 0.3158, 0.4045 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(198, 255, 187) }
```

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

```
.border{ border-color:rgb(198, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1136, 0.3158, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 187) }
```

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

```
.background{ background-color: rgb(198,  
255, 187) }
```

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