

Converting Colors

$Y_{xy}(133.7595, 0.3156, 0.4567)$

Have a look what the booklet for
Yxy(133.7595, 0.3156, 0.4567)
contains.

Yxy(87.8602, 0.3207, 0.4059)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8602, 0.3207, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFB9
RGB	204, 255, 185
RGB Percent	80%, 100%, 73%
CMY	0.2000, 0.0000, 0.2746
CMYK	0.20, 0.00, 0.27, 0.00
HSL	104°, 100%, 86%
HSV	104°, 27%, 100%
XYZ	69.4180, 87.8602, 59.1795
YIQ	231.7710, -7.9260, -32.5820

Conversions

Conversions Part 2

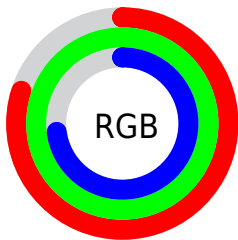
Format	Color
RYB	185, 255, 236
Decimal	13434809
CIELab	95.10, -28.61, 28.34
CIELCh	95, 40.268, 135.274
Yxy	87.8602, 0.3207, 0.4059
Android (android.graphics.Color)	4291624889 (0xFFCCFFB9)
YUV	231.7710, -23.0581, -24.3552
Hunter-Lab	93.7338, -31.8393, 28.1804

Details

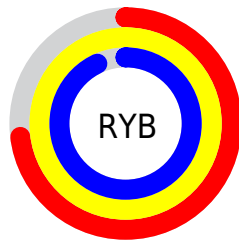
The Yxy color **87.8602, 0.3207, 0.4059** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7296, 0.3014, 0.2573**, and the grayscale version is **80.6951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **48.4164, 0.3218, 0.4248** is the 20% darker color. If you saturate the color by 10%, you get **84.4093, 0.3228, 0.4382**, and if you desaturate by 10%, it is **91.8174, 0.3180, 0.3756**.

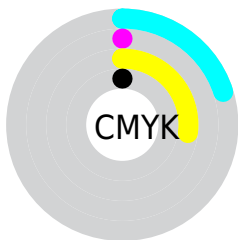
Distribution



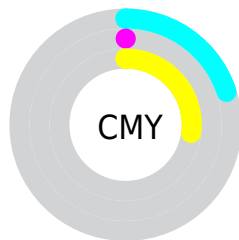
- Red (80%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8602, 0.3207, 0.4059 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 87.8602, 0.3207, 0.4059 by changing the saturation by 10% instead.

 87.8602, 0.3207,
0.4059

 87.8602, 0.3207,
0.4059

521.0453, 0.3180,
0.3700

 66.2073, 0.3211,
0.4141


 144.3625, 0.3200,
0.3934

 48.4407, 0.3214,
0.4243

179.9807, 0.3196,
0.3886

 34.1760, 0.3216,
0.4371


221.0228, 0.3193,
0.3844

 23.0289, 0.3215,
0.4539

267.8732, 0.3190,
0.3808

 14.6148, 0.3208,
0.4765

320.9162, 0.3187,
0.3776

 8.5495, 0.3185,
0.5086

380.5363, 0.3185,

 4.4485, 0.3121,

0.3748

0.5569

447.1179, 0.3182,
0.3723

■ 1.9275, 0.3163,
0.6837

■ 0.5648, 0.0000,
1.0000

■ 87.8602, 0.3207,
0.4059

■ 87.8602, 0.3207,
0.4059

■ 84.4093, 0.3228,
0.4382

■ 91.8174, 0.3180,
0.3756

■ 81.4427, 0.3240,
0.4715

■ 96.3002, 0.3151,
0.3479

■ 78.9379, 0.3242,
0.5041

100.0000, 0.3127,
0.3290

■ 76.8700, 0.3230,
0.5341

■ 75.2115, 0.3204,
0.5593

■ 73.9313, 0.3166,
0.5779

■ 72.9921, 0.3118,
0.5893

■ 72.7978, 0.3107,
0.5915

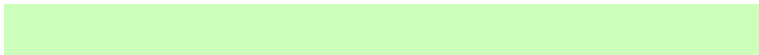
Harmonies

Analogous

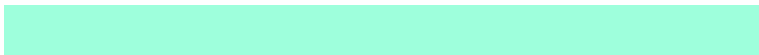
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8602, 0.3642, 0.4098



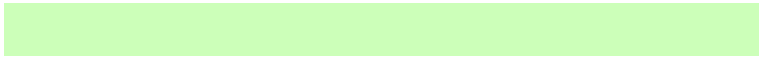
87.8602, 0.3207, 0.4059



87.8602, 0.2770, 0.3759

Triad

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



87.8602, 0.3207, 0.4059



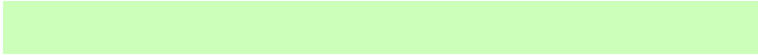
87.8602, 0.2352, 0.2640



87.8602, 0.3851, 0.3206

Complementary

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



87.8602, 0.3207, 0.4059



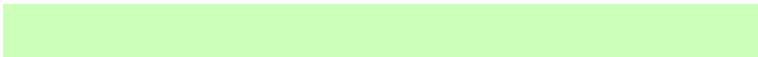
59.7296, 0.3014, 0.2573

Split Complementary

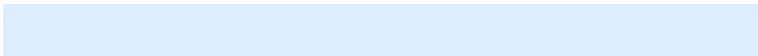
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8602, 0.3459, 0.2878



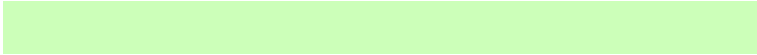
87.8602, 0.3207, 0.4059



87.8602, 0.2596, 0.2558

Square

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



87.8602, 0.3207, 0.4059



87.8602, 0.2298, 0.2903



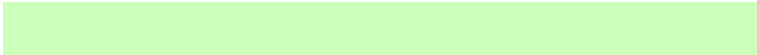
87.8602, 0.2994, 0.2647



87.8602, 0.4034, 0.3572

Rectangle

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



87.8602, 0.3207, 0.4059



87.8602, 0.2535, 0.3467



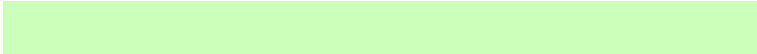
87.8602, 0.2994, 0.2647



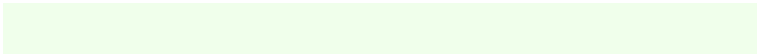
87.8602, 0.3738, 0.3090

Sweetspot

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



87.8604, 0.3207, 0.4059



96.0461, 0.3152, 0.3493



84.2682, 0.3593, 0.3797



20.4071, 0.3157, 0.3533



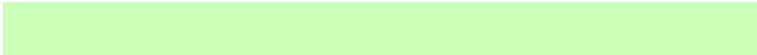
0.0000, 0.0000, 0.0000



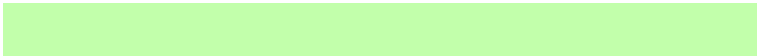
21.4041, 0.3127, 0.3290

Same Dimension

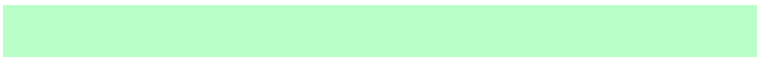
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8604, 0.3207, 0.4059



85.8886, 0.3219, 0.4236



86.0070, 0.3008, 0.3909



20.4071, 0.3157, 0.3533



38.1010, 0.3117, 0.5907



3.7609, 0.3196, 0.5844

Inverse Universe

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



59.7296, 0.3014, 0.2573



53.4646, 0.2984, 0.2421



62.2252, 0.3274, 0.2742



18.0374, 0.3094, 0.3053



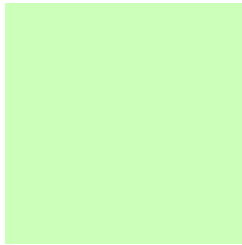
9.2825, 0.2529, 0.1167



0.9578, 0.2609, 0.1211

Previews

White Background



This preview shows how the Yxy color 87.8602, 0.3207, 0.4059 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 87.8602, 0.3207, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

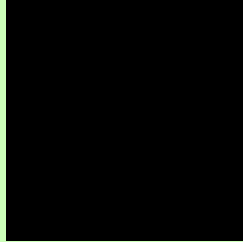
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

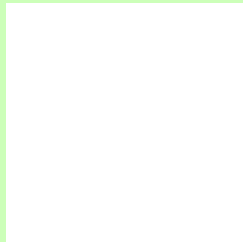
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8602, 0.3207, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 87.8602, 0.3207, 0.4059.

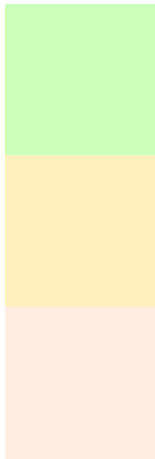


This preview shows how white text looks on a background with the Yxy color 87.8602, 0.3207, 0.4059.

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

87.8602, 0.3207, 0.4059

Protanopia

87.2979, 0.3548, 0.3791

Deuteranopia

87.2646, 0.3325, 0.3409



Tritanopia

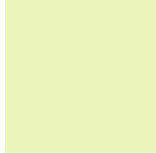
87.4899, 0.2950, 0.3168

Trichromacy



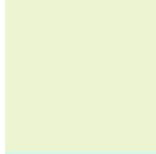
Original Color

87.8602, 0.3207, 0.4059



Protanomaly

86.7685, 0.3416, 0.3884



Deuteranomaly

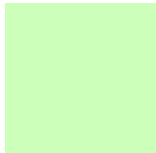
87.1874, 0.3282, 0.3642



Tritanomaly

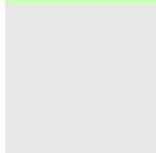
87.1401, 0.3043, 0.3468

Monochromacy



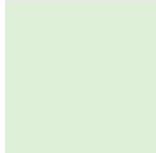
Original Color

87.8602, 0.3207, 0.4059



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7561, 0.3161, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8602, 0.3207, 0.4059 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(204, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 185)  
}
```

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(204, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 87.8602, 0.3207, 0.4059 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(204, 255, 185) }
```

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

```
.border{ border-color:rgb(204, 255, 185) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8602, 0.3207, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 185) }
```

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

```
.background{ background-color: rgb(204,  
255, 185) }
```

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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