

Converting Colors

$Yxy(87.1793, 0.3059, 0.3674)$

Have a look what the booklet for
Yxy(87.1793, 0.3059, 0.3674)
contains.

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Color

Yxy(87.1661, 0.3059, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	CFFBD7
RGB	207, 251, 215
RGB Percent	81%, 98%, 84%
CMY	0.1886, 0.0156, 0.1569
CMYK	0.18, 0.00, 0.14, 0.02
HSL	131°, 85%, 90%
HSV	131°, 18%, 98%
XYZ	72.4765, 87.1661, 77.2862
YIQ	233.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

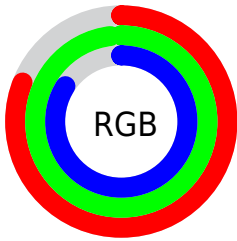
Format	Color
R _Y B	207, 244, 251
Decimal	13630423
CIE Lab	94.81, -20.83, 12.64
CIE LCh	95, 24.364, 148.740
Yxy	87.1661, 0.3059, 0.3679
Android (android.graphics.Color)	4291820503 (0xFFCFFBD7)
YUV	233.7400, -9.2388, -23.4510
Hunter-Lab	93.3628, -24.8173, 16.2734

Details

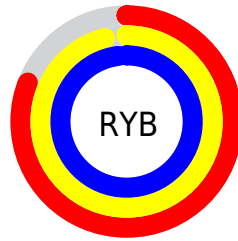
The Yxy color **87.1661, 0.3059, 0.3679** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5685, 0.3204, 0.2930**, and the grayscale version is **82.1429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7970, 0.3042, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **82.8497, 0.3021, 0.3938**, and if you desaturate by 10%, it is **92.1967, 0.3098, 0.3447**.

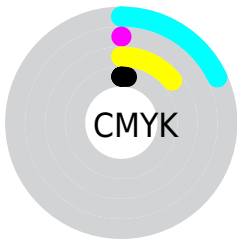
Distribution



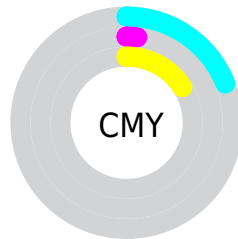
- Red (81%)
- Green (98%)
- Blue (84%)



- Red (81%)
- Yellow (96%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)





- Cyan (19%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1661, 0.3059, 0.3679 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 87.1661, 0.3059, 0.3679 by changing the saturation by 10% instead.

 87.1661, 0.3059,
0.3679

 87.1661, 0.3059,
0.3679

518.7685, 0.3092,
0.3500

 65.6327, 0.3051,
0.3720

143.3956, 0.3071,
0.3617

 47.9743, 0.3041,
0.3770


178.8605, 0.3075,
0.3593

 33.8065, 0.3028,
0.3834


219.7380, 0.3079,
0.3572

 22.7450, 0.3011,
0.3917

266.4125, 0.3082,
0.3554

 14.4053, 0.2987,
0.4029

319.2684, 0.3085,
0.3538

 8.4031, 0.2951,
0.4190

378.6901, 0.3088,

 4.3540, 0.2892,

0.3524

0.4440

445.0620, 0.3090,
0.3511

■ 1.8735, 0.2778,
0.4876

■ 0.5324, 0.0000,
1.0000

■ 87.1661, 0.3059,
0.3679

■ 87.1661, 0.3059,
0.3679

■ 82.8497, 0.3021,
0.3938

■ 92.1967, 0.3098,
0.3447

■ 79.2045, 0.2985,
0.4223

■ 97.4904, 0.3129,
0.3252

■ 76.1998, 0.2955,
0.4526

■ 73.7979, 0.2932,
0.4836

■ 71.9574, 0.2919,
0.5139

■ 70.6315, 0.2919,
0.5414

■ 69.7652, 0.2931,
0.5645

■ 69.2880, 0.2953,
0.5817

■ 69.2071, 0.2958,
0.5850

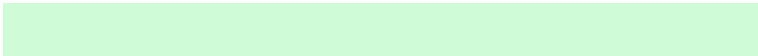
Harmonies

Analogous

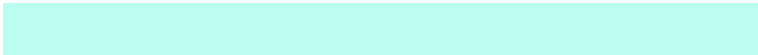
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1661, 0.3335, 0.3781



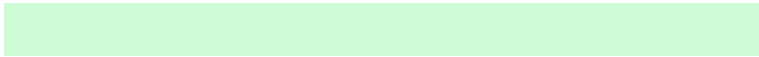
87.1661, 0.3059, 0.3679



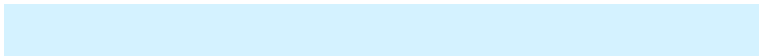
87.1661, 0.2809, 0.3458

Triad

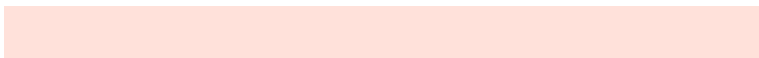
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1661, 0.3059, 0.3679



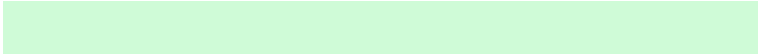
87.1661, 0.2700, 0.2851



87.1661, 0.3632, 0.3351

Complementary

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



87.1661, 0.3059, 0.3679



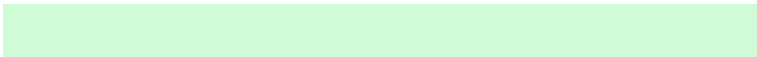
71.5685, 0.3204, 0.2930

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.



87.1661, 0.3447, 0.3124



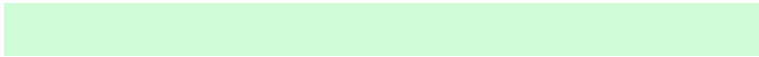
87.1661, 0.3059, 0.3679



87.1661, 0.2905, 0.2842

Square

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



87.1661, 0.3059, 0.3679



87.1661, 0.2608, 0.2974



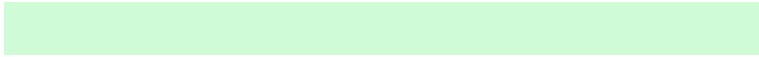
87.1661, 0.3177, 0.2941



87.1661, 0.3674, 0.3574

Rectangle

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



87.1661, 0.3059, 0.3679



87.1661, 0.2688, 0.3281



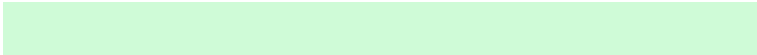
87.1661, 0.3177, 0.2941



87.1661, 0.3584, 0.3273

Sweetspot

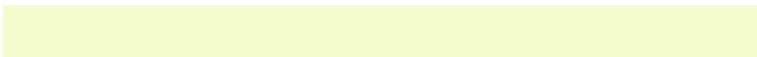
The Sweet Spot groups the original color and five complimentary colors.



87.1698, 0.3059, 0.3679



97.0086, 0.3108, 0.3392



92.6863, 0.3343, 0.3735



20.6772, 0.3105, 0.3407



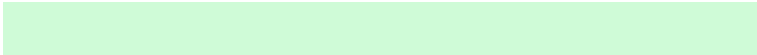
0.0000, 0.0000, 0.0000



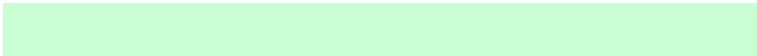
21.4041, 0.3127, 0.3290

Same Dimension

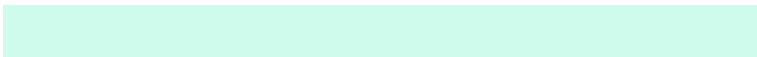
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1698, 0.3059, 0.3679



88.7156, 0.3046, 0.3765



88.3390, 0.2941, 0.3445



19.3611, 0.3090, 0.3490



36.3848, 0.2953, 0.5829



3.3835, 0.2898, 0.5631

Inverse Universe

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



71.5685, 0.3204, 0.2930



69.8483, 0.3221, 0.2857



70.3537, 0.3358, 0.3140



17.4669, 0.3166, 0.3098



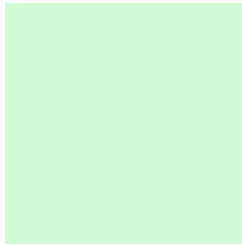
13.1193, 0.3735, 0.1831



1.2288, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 87.1661, 0.3059, 0.3679 looks on a white background.

Color Contrast Check

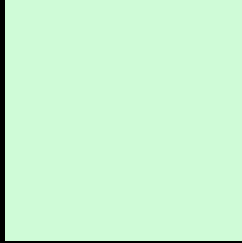
Large Text (above 18pt) WCAG AA × Fail

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 87.1661, 0.3059, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

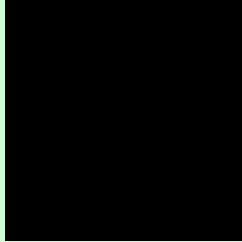
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

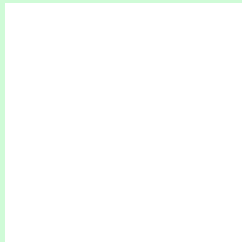
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1661, 0.3059, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 87.1661, 0.3059, 0.3679.



This preview shows how white text looks on a background with the Yxy color 87.1661, 0.3059, 0.3679.

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





Tritanopia

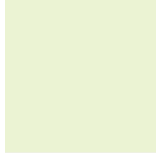
86.7318, 0.2944, 0.3158

Trichromacy



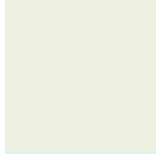
Original Color

87.1661, 0.3059, 0.3679



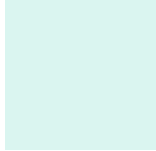
Protanomaly

86.4665, 0.3270, 0.3622



Deuteranomaly

86.5240, 0.3205, 0.3454



Tritanomaly

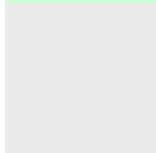
86.5015, 0.2986, 0.3342

Monochromacy



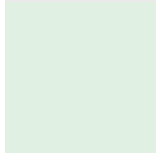
Original Color

87.1661, 0.3059, 0.3679



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.7135, 0.3101, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1661, 0.3059, 0.3679 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(207, 251, 215)` looks like.

```
.text, #text, p{  
    color:rgb(207, 251, 215)  
}
```

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(207, 251, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 251, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.1661, 0.3059, 0.3679 is called "border". The border property can be set on classes, ids or directly on the HTML element.

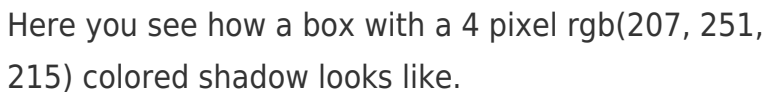
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 251, 215) }
```

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

```
.border{ border-color:rgb(207, 251, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 251, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 251, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 251, 215);  
box-shadow:4px 4px 4px 4px rgb(207, 251,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1661, 0.3059, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 251, 215) }
```

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

```
.background{ background-color: rgb(207,  
251, 215) }
```

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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