

Converting Colors

$Yxy(87.3406, 0.3110, 0.3768)$

Have a look what the booklet for
Yxy(87.3406, 0.3110, 0.3768)
contains.

Yxy(87.5357, 0.3110, 0.3777)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5357, 0.3110, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	D0FCCF
RGB	208, 252, 207
RGB Percent	82%, 99%, 81%
CMY	0.1845, 0.0117, 0.1881
CMYK	0.17, 0.00, 0.18, 0.01
HSL	119°, 88%, 90%
HSV	119°, 18%, 99%
XYZ	72.0773, 87.5357, 72.1468
YIQ	233.7140, -11.7790, -23.3230

Conversions

Conversions Part 2

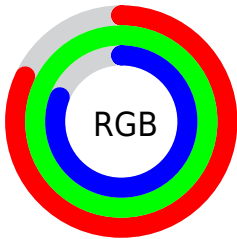
Format	Color
R_{YB}	207, 252, 251
Decimal	13696207
CIE _{Lab}	94.97, -22.34, 16.96
CIE _{LCh}	95, 28.048, 142.800
Yxy	87.5357, 0.3110, 0.3777
Android (android.graphics.Color)	4291886287 (0xFFD0FCCF)
YUV	233.7140, -13.1700, -22.5512
Hunter-Lab	93.5605, -26.2178, 19.7724

Details

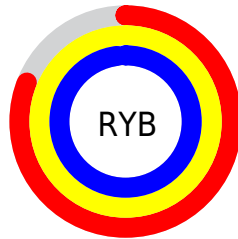
The Yxy color **87.5357, 0.3110, 0.3777** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.1966, 0.3141, 0.2845**, and the grayscale version is **82.1570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1024, 0.3099, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **83.1003, 0.3098, 0.4097**, and if you desaturate by 10%, it is **92.7322, 0.3120, 0.3490**.

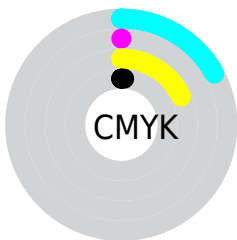
Distribution



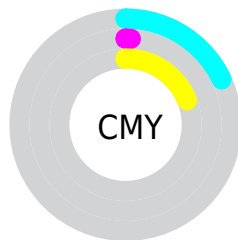
- Red (82%)
- Green (99%)
- Blue (81%)



- Red (81%)
- Yellow (99%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)





- Cyan (18%)
- Magenta (1%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5357, 0.3110, 0.3777 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 87.5357, 0.3110, 0.3777 by changing the saturation by 10% instead.


 87.5357, 0.3110,
0.3777

 87.5357, 0.3110,
0.3777


519.9816, 0.3121,
0.3552

 65.9386, 0.3107,
0.3828

143.9106, 0.3115,
0.3699

 48.2226, 0.3102,
0.3892


179.4572, 0.3116,
0.3669

 34.0032, 0.3096,
0.3972


220.4224, 0.3117,
0.3642

 22.8960, 0.3086,
0.4077

267.1906, 0.3119,
0.3620

 14.5168, 0.3072,
0.4219

320.1462, 0.3119,
0.3600

 8.4810, 0.3047,
0.4422

379.6737, 0.3120,

 4.4042, 0.3000,

0.3582

0.4737

446.1573, 0.3121,
0.3566

■ 1.9021, 0.2928,
0.5337

■ 0.5497, 0.0000,
1.0000

■ 87.5357, 0.3110,
0.3777

■ 87.5357, 0.3110,
0.3777

■ 83.1003, 0.3098,
0.4097

■ 92.7322, 0.3120,
0.3490

■ 79.3797, 0.3084,
0.4444

■ 98.1103, 0.3128,
0.3262

■ 76.3399, 0.3069,
0.4805

■ 73.9398, 0.3052,
0.5158

■ 72.1335, 0.3037,
0.5475

■ 70.8695, 0.3022,
0.5730

■ 70.0871, 0.3011,
0.5902

■ 69.7097, 0.3003,
0.5986

■ 69.6636, 0.3003,
0.5998

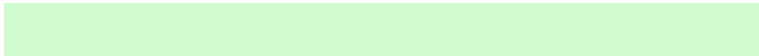
Harmonies

Analogous

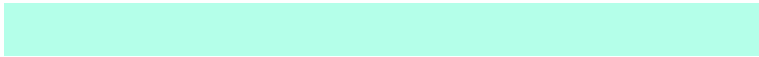
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5357, 0.3423, 0.3859



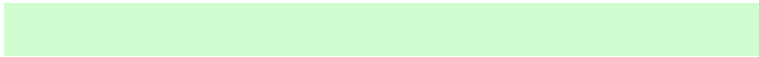
87.5357, 0.3110, 0.3777



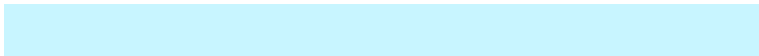
87.5357, 0.2812, 0.3541

Triad

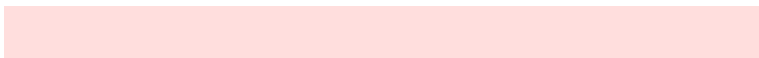
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5357, 0.3110, 0.3777



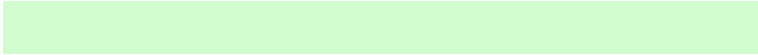
87.5357, 0.2607, 0.2804



87.5357, 0.3678, 0.3304

Complementary

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



87.5357, 0.3110, 0.3777



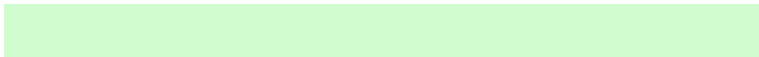
72.1966, 0.3141, 0.2845

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.



87.5357, 0.3438, 0.3052



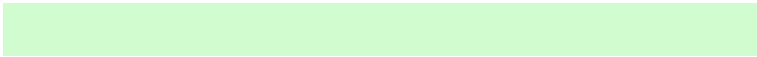
87.5357, 0.3110, 0.3777



87.5357, 0.2817, 0.2771

Square

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



87.5357, 0.3110, 0.3777



87.5357, 0.2531, 0.2968



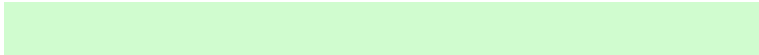
87.5357, 0.3119, 0.2861



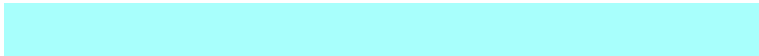
87.5357, 0.3761, 0.3565

Rectangle

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



87.5357, 0.3110, 0.3777



87.5357, 0.2660, 0.3339



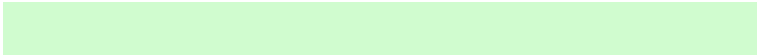
87.5357, 0.3119, 0.2861



87.5357, 0.3612, 0.3216

Sweetspot

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



87.5394, 0.3110, 0.3777



96.9136, 0.3123, 0.3415



93.8969, 0.3399, 0.3721



20.6542, 0.3122, 0.3434



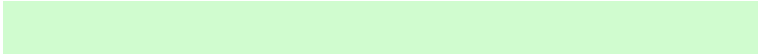
0.0000, 0.0000, 0.0000



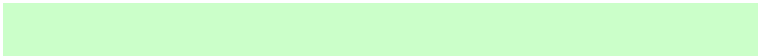
21.4041, 0.3127, 0.3290

Same Dimension

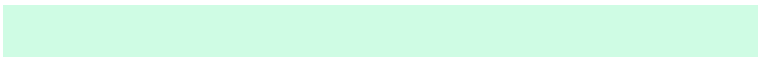
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5394, 0.3110, 0.3777



88.3909, 0.3106, 0.3875



88.5028, 0.2987, 0.3545



19.3261, 0.3119, 0.3535



36.2911, 0.3004, 0.5997



3.3670, 0.3015, 0.5988

Inverse Universe

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



72.1966, 0.3141, 0.2845



70.2564, 0.3144, 0.2765



71.1094, 0.3296, 0.3048



17.5054, 0.3135, 0.3056



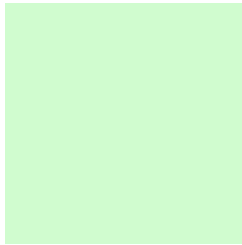
13.9559, 0.3158, 0.1513



1.2982, 0.3165, 0.1517

Previews

White Background



This preview shows how the Yxy color 87.5357, 0.3110, 0.3777 looks on a white background.

Color Contrast Check

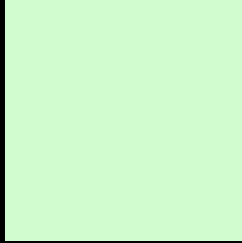
Large Text (above 18pt) WCAG AA × Fail

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 87.5357, 0.3110, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

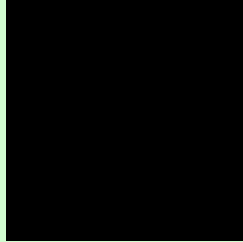
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

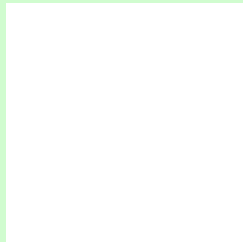
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5357, 0.3110, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 87.5357, 0.3110, 0.3777.

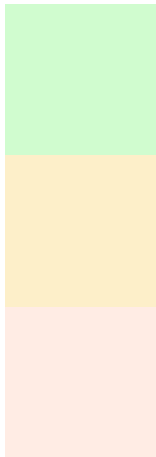


This preview shows how white text looks on a background with the Yxy color 87.5357, 0.3110, 0.3777.

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

87.5357, 0.3110, 0.3777

Protanopia

86.8327, 0.3464, 0.3672

Deuteranopia

86.8523, 0.3307, 0.3369



Tritanopia

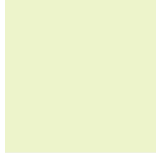
87.4899, 0.2950, 0.3168

Trichromacy



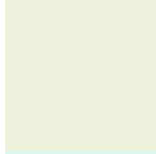
Original Color

87.5357, 0.3110, 0.3777



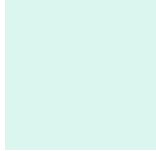
Protanomaly

87.0177, 0.3332, 0.3715



Deuteranomaly

86.8487, 0.3236, 0.3516



Tritanomaly

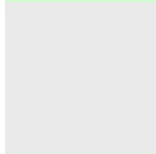
87.1447, 0.3004, 0.3373

Monochromacy



Original Color

87.5357, 0.3110, 0.3777



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.3000, 0.3125, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5357, 0.3110, 0.3777 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(208, 252, 207)` looks like.

```
.text, #text, p{  
    color:rgb(208, 252, 207)  
}
```

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(208, 252, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 252, 207) }
```

Border

The CSS property to change the border of an element to Yxy 87.5357, 0.3110, 0.3777 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(208, 252, 207) }
```

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

```
.border{ border-color:rgb(208, 252, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 252, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 252, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 252, 207);  
box-shadow:4px 4px 4px 4px rgb(208, 252,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5357, 0.3110, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 252, 207) }
```

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

```
.background{ background-color: rgb(208,  
252, 207) }
```

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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