

Converting Colors

$Yxy(87.1295, 0.3100, 0.3752)$

Have a look what the booklet for
Yxy(87.1295, 0.3100, 0.3752)
contains.

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Color

Yxy(87.0077, 0.3100, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	D0FBD1
RGB	208, 251, 209
RGB Percent	82%, 98%, 82%
CMY	0.1842, 0.0157, 0.1805
CMYK	0.17, 0.00, 0.17, 0.02
HSL	121°, 84%, 90%
HSV	121°, 17%, 98%
XYZ	72.0224, 87.0077, 73.3002
YIQ	233.3550, -12.1460, -22.1780

Conversions

Conversions Part 2

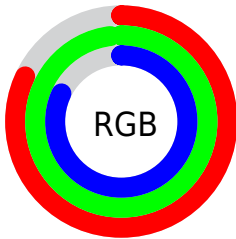
Format	Color
R_{YB}	208, 250, 251
Decimal	13695953
CIE Lab	94.74, -21.49, 15.65
CIE LCh	95, 26.587, 143.943
Yxy	87.0077, 0.3100, 0.3745
Android (android.graphics.Color)	4291886033 (0xFFD0FBD1)
YUV	233.3550, -12.0070, -22.2363
Hunter-Lab	93.2779, -25.4117, 18.7029

Details

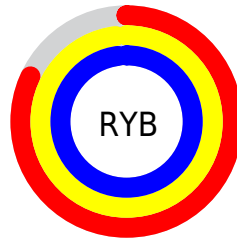
The Yxy color **87.0077, 0.3100, 0.3745** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.5445, 0.3154, 0.2874**, and the grayscale version is **81.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6890, 0.3093, 0.3855** is the 20% darker color. If you saturate the color by 10%, you get **82.5320, 0.3082, 0.4057**, and if you desaturate by 10%, it is **92.2540, 0.3116, 0.3467**.

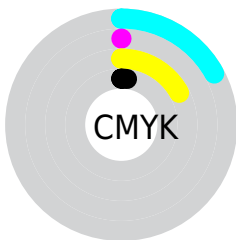
Distribution



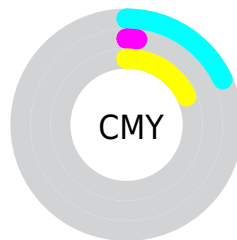
- Red (82%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0077, 0.3100, 0.3745 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 87.0077, 0.3100, 0.3745 by changing the saturation by 10% instead.

 87.0077, 0.3100,
0.3745

 87.0077, 0.3100,
0.3745

518.2482, 0.3115,
0.3535

 65.5016, 0.3096,
0.3793


143.1749, 0.3106,
0.3672

 47.8679, 0.3090,
0.3852


178.6047, 0.3108,
0.3644

 33.7223, 0.3083,
0.3927


219.4446, 0.3110,
0.3619

 22.6803, 0.3072,
0.4025

266.0789, 0.3111,
0.3598

 14.3577, 0.3056,
0.4158

318.8920, 0.3113,
0.3579

 8.3698, 0.3030,
0.4348

378.2683, 0.3114,

 4.3325, 0.2983,

0.3563

444.5922, 0.3115,
0.3548

0.4643

1.8612, 0.2902,
0.5193

0.5249, 0.0000,
1.0000

87.0077, 0.3100,
0.3745

87.0077, 0.3100,
0.3745

82.5320, 0.3082,
0.4057

92.2540, 0.3116,
0.3467

78.7801, 0.3064,
0.4397

97.4743, 0.3129,
0.3252

75.7174, 0.3045,
0.4752

73.3020, 0.3028,
0.5104

■ 71.4874, 0.3014,
0.5426

■ 70.2210, 0.3004,
0.5691

■ 69.4410, 0.2999,
0.5876

■ 69.0689, 0.2998,
0.5975

■ 69.0063, 0.2997,
0.5991

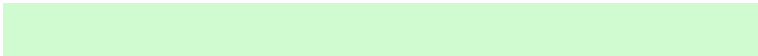
Harmonies

Analogous

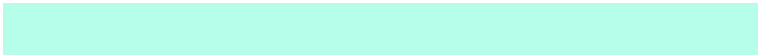
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0077, 0.3399, 0.3830



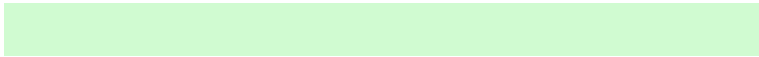
87.0077, 0.3100, 0.3745



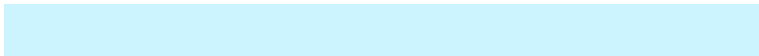
87.0077, 0.2818, 0.3518

Triad

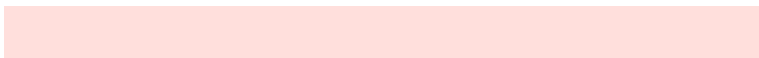
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0077, 0.3100, 0.3745



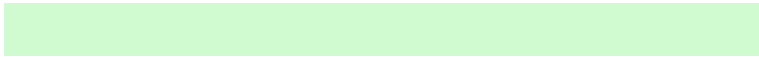
87.0077, 0.2638, 0.2824



87.0077, 0.3656, 0.3314

Complementary

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



87.0077, 0.3100, 0.3745



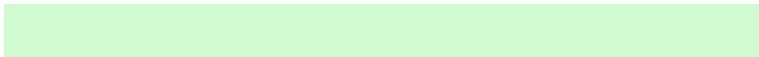
72.5445, 0.3154, 0.2874

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.



87.0077, 0.3433, 0.3072



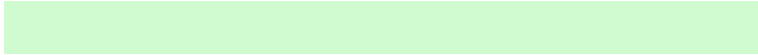
87.0077, 0.3100, 0.3745



87.0077, 0.2842, 0.2796

Square

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



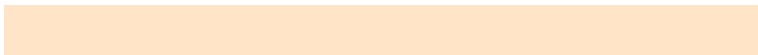
87.0077, 0.3100, 0.3745



87.0077, 0.2560, 0.2977



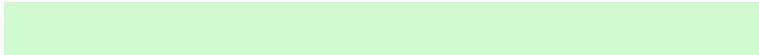
87.0077, 0.3132, 0.2887



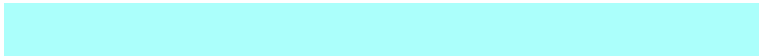
87.0077, 0.3729, 0.3561

Rectangle

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



87.0077, 0.3100, 0.3745



87.0077, 0.2676, 0.3326



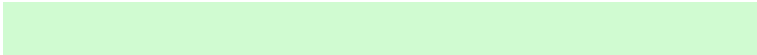
87.0077, 0.3132, 0.2887



87.0077, 0.3595, 0.3230

Sweetspot

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



87.0114, 0.3100, 0.3745



96.8841, 0.3120, 0.3413



93.9266, 0.3380, 0.3717



20.6470, 0.3119, 0.3430



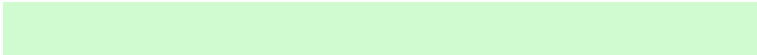
0.0000, 0.0000, 0.0000



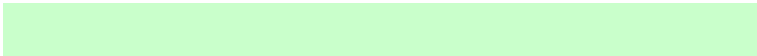
21.4041, 0.3127, 0.3290

Same Dimension

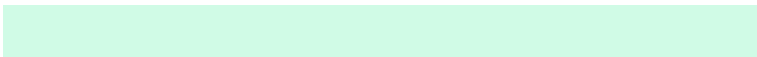
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0114, 0.3100, 0.3745



88.2935, 0.3093, 0.3863



88.1357, 0.2981, 0.3510



19.3154, 0.3113, 0.3530



36.2753, 0.2996, 0.5987



3.3618, 0.2987, 0.5953

Inverse Universe

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



72.5445, 0.3154, 0.2874



70.3885, 0.3160, 0.2777



71.2844, 0.3304, 0.3080



17.5177, 0.3141, 0.3061



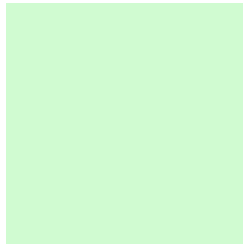
14.2659, 0.3264, 0.1572



1.3233, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 87.0077, 0.3100, 0.3745 looks on a white background.

Color Contrast Check

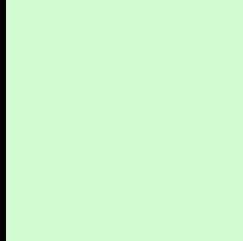
Large Text (above 18pt) WCAG AA × Fail

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 87.0077, 0.3100, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

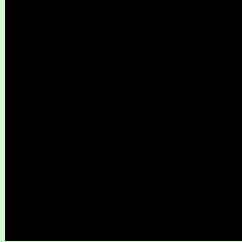
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

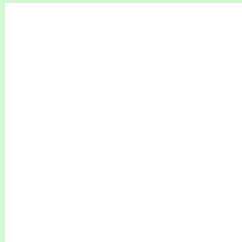
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0077, 0.3100, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 87.0077, 0.3100, 0.3745.

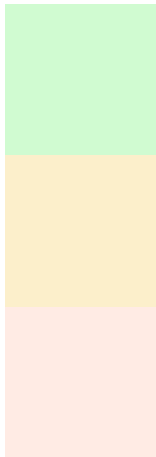


This preview shows how white text looks on a background with the Yxy color 87.0077, 0.3100, 0.3745.

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

87.0077, 0.3100, 0.3745

Protanopia

86.7402, 0.3444, 0.3653

Deuteranopia

86.2781, 0.3308, 0.3360



Tritanopia

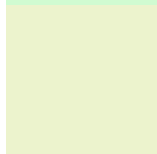
86.7318, 0.2944, 0.3158

Trichromacy



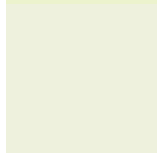
Original Color

87.0077, 0.3100, 0.3745



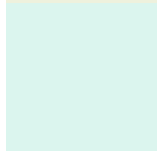
Protanomaly

86.3418, 0.3314, 0.3685



Deuteranomaly

86.3082, 0.3230, 0.3495



Tritanomaly

86.5379, 0.3004, 0.3363

Monochromacy



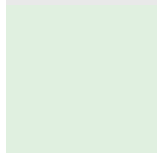
Original Color

87.0077, 0.3100, 0.3745



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.5493, 0.3119, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0077, 0.3100, 0.3745 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, 251, 209)` looks like.

```
.text, #text, p{  
    color:rgb(208, 251, 209)  
}
```

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, 251, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 251, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.0077, 0.3100, 0.3745 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, 251, 209) }
```

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

```
.border{ border-color:rgb(208, 251, 209) }
```

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

Here you see how a box with a 4 pixel rgb(208, 251, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 251, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 251, 209);  
box-shadow:4px 4px 4px 4px rgb(208, 251,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0077, 0.3100, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 251, 209) }
```

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

```
.background{ background-color: rgb(208,  
251, 209) }
```

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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