

Converting Colors

$Yxy(87.1681, 0.3137, 0.3726)$

Have a look what the booklet for
Yxy(87.1681, 0.3137, 0.3726)
contains.

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Color

Yxy(87.2708, 0.3138, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	D6FAD1
RGB	214, 250, 209
RGB Percent	84%, 98%, 82%
CMY	0.1608, 0.0196, 0.1805
CMYK	0.14, 0.00, 0.16, 0.02
HSL	113°, 80%, 90%
HSV	113°, 16%, 98%
XYZ	73.4198, 87.2708, 73.2794
YIQ	234.5620, -8.2950, -20.3830

Conversions

Conversions Part 2

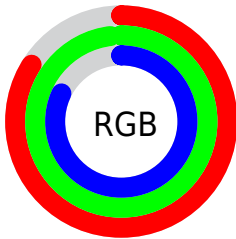
Format	Color
R _Y B	209, 250, 245
Decimal	14088913
CIE _{Lab}	94.85, -19.04, 15.86
CIE _{LCh}	95, 24.782, 140.218
Y _{xy}	87.2708, 0.3138, 0.3730
Android (android.graphics.Color)	4292278993 (0xFFD6FAD1)
YUV	234.5620, -12.6021, -18.0329
Hunter-Lab	93.4188, -23.1962, 18.8851

Details

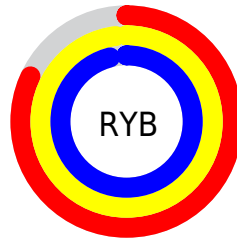
The Yxy color **87.2708, 0.3138, 0.3730** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.9041, 0.3110, 0.2878**, and the grayscale version is **82.8288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8440, 0.3141, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **83.0493, 0.3141, 0.4039**, and if you desaturate by 10%, it is **92.1390, 0.3132, 0.3452**.

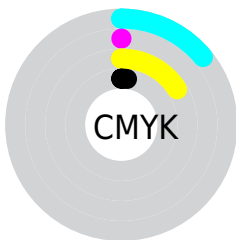
Distribution



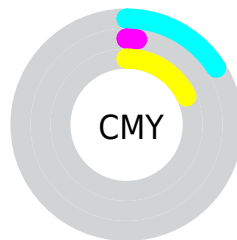
- Red (84%)
- Green (98%)
- Blue (82%)



- Red (82%)
- Yellow (98%)
- Blue (96%)



- Cyan (14%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)




- Cyan (16%)
- Magenta (2%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2708, 0.3138, 0.3730 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 87.2708, 0.3138, 0.3730 by changing the saturation by 10% instead.


 87.2708, 0.3138,
0.3730

 87.2708, 0.3138,
0.3730


519.1123, 0.3136,
0.3527

 65.7193, 0.3138,
0.3776

143.5415, 0.3138,
0.3660

 48.0446, 0.3137,
0.3833


179.0296, 0.3138,
0.3632

 33.8622, 0.3136,
0.3905

219.9319, 0.3137,
0.3609

 22.7878, 0.3133,
0.3998

266.6330, 0.3137,
0.3588

 14.4369, 0.3127,
0.4125

319.5172, 0.3137,
0.3570

 8.4251, 0.3116,
0.4306

378.9689, 0.3137,

 4.3682, 0.3092,

0.3554

0.4585

445.3724, 0.3136,
0.3540

■ 1.8816, 0.3050,
0.5102

■ 0.5373, 0.0784,
0.9216

■ 87.2708, 0.3138,
0.3730

■ 87.2708, 0.3138,
0.3730

■ 83.0493, 0.3141,
0.4039

■ 92.1390, 0.3132,
0.3452

■ 79.4366, 0.3141,
0.4374

■ 96.8583, 0.3129,
0.3243

■ 76.4078, 0.3136,
0.4724

■ 73.9321, 0.3125,
0.5069

■ 71.9756, 0.3109,
0.5388

■ 70.5009, 0.3086,
0.5654

■ 69.4651, 0.3060,
0.5846

■ 68.8177, 0.3033,
0.5955

■ 68.6623, 0.3025,
0.5980

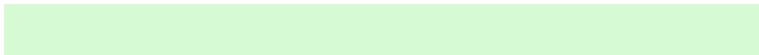
Harmonies

Analogous

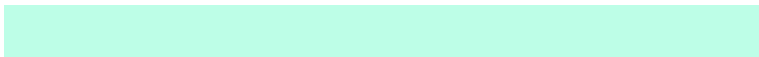
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2708, 0.3413, 0.3791



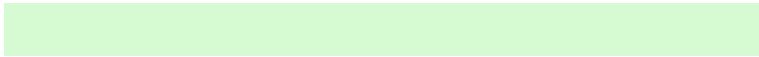
87.2708, 0.3138, 0.3730



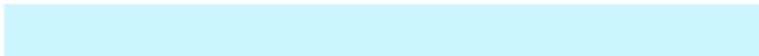
87.2708, 0.2869, 0.3533

Triad

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



87.2708, 0.3138, 0.3730



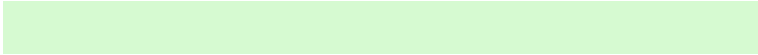
87.2708, 0.2654, 0.2867



87.2708, 0.3600, 0.3284

Complementary

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



87.2708, 0.3138, 0.3730



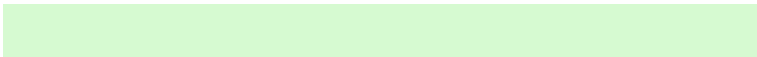
71.9041, 0.3110, 0.2878

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.



87.2708, 0.3379, 0.3062



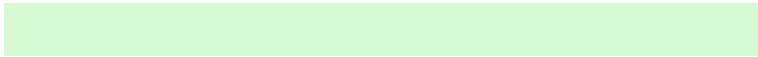
87.2708, 0.3138, 0.3730



87.2708, 0.2833, 0.2826

Square

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



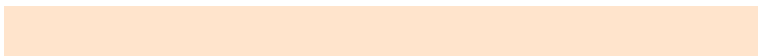
87.2708, 0.3138, 0.3730



87.2708, 0.2598, 0.3024



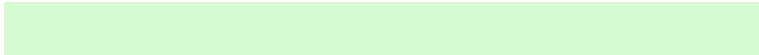
87.2708, 0.3096, 0.2897



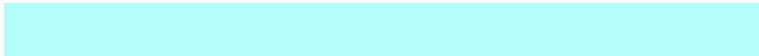
87.2708, 0.3687, 0.3517

Rectangle

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



87.2708, 0.3138, 0.3730



87.2708, 0.2727, 0.3358



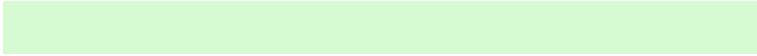
87.2708, 0.3096, 0.2897



87.2708, 0.3538, 0.3206

Sweetspot

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



87.2745, 0.3138, 0.3730



97.1444, 0.3131, 0.3415



89.9551, 0.3383, 0.3647



20.7100, 0.3131, 0.3433



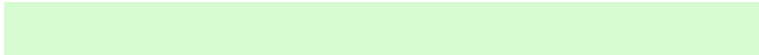
0.0000, 0.0000, 0.0000



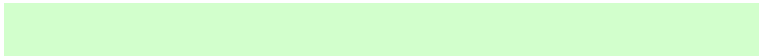
21.4041, 0.3127, 0.3290

Same Dimension

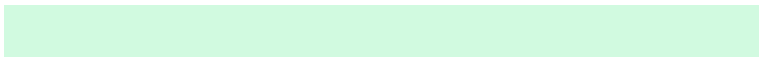
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2745, 0.3138, 0.3730



89.6147, 0.3140, 0.3838



87.3130, 0.3021, 0.3568



19.4107, 0.3134, 0.3534



36.4489, 0.3031, 0.5975



3.4071, 0.3087, 0.5931

Inverse Universe

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



71.9041, 0.3110, 0.2878



70.5037, 0.3105, 0.2784



71.9109, 0.3251, 0.3028



17.4107, 0.3118, 0.3055



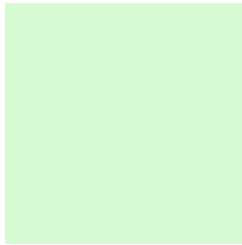
11.7312, 0.2902, 0.1373



1.1158, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 87.2708, 0.3138, 0.3730 looks on a white background.

Color Contrast Check

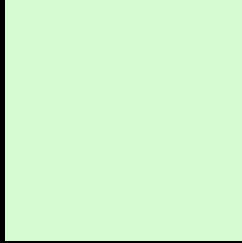
Large Text (above 18pt) WCAG AA × Fail

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 87.2708, 0.3138, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

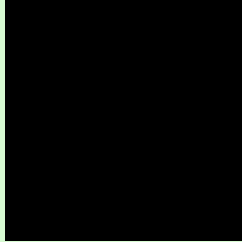
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

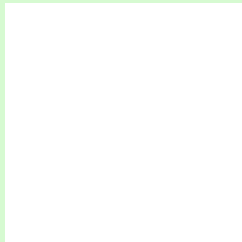
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2708, 0.3138, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 87.2708, 0.3138, 0.3730.

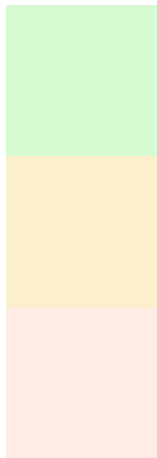


This preview shows how white text looks on a background with the Yxy color 87.2708, 0.3138, 0.3730.

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

87.2708, 0.3138, 0.3730

Protanopia

86.7881, 0.3438, 0.3643

Deuteranopia

86.8523, 0.3307, 0.3369



Tritanopia

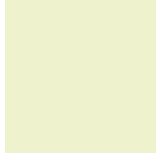
87.2182, 0.2962, 0.3158

Trichromacy



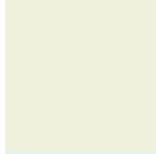
Original Color

87.2708, 0.3138, 0.3730



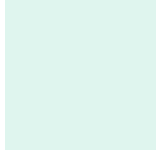
Protanomaly

86.7346, 0.3322, 0.3672



Deuteranomaly

86.6563, 0.3244, 0.3494



Tritanomaly

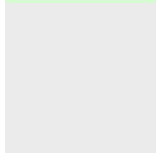
87.1658, 0.3029, 0.3362

Monochromacy



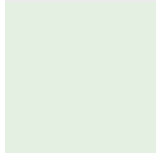
Original Color

87.2708, 0.3138, 0.3730



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.1421, 0.3127, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2708, 0.3138, 0.3730 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(214, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(214, 250, 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(214, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 250, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.2708, 0.3138, 0.3730 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(214, 250, 209) }
```

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

```
.border{ border-color:rgb(214, 250, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 250, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(214, 250,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2708, 0.3138, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 250, 209) }
```

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

```
.background{ background-color: rgb(214,  
250, 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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