

# Converting Colors

$Yxy(86.0183, 0.3108, 0.3707)$

Have a look what the booklet for  
Yxy(86.0183, 0.3108, 0.3707)  
contains.

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# Color

**Yxy(86.1061, 0.3107, 0.3712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F9D2
RGB	210, 249, 210
RGB Percent	82%, 98%, 82%
CMY	0.1767, 0.0234, 0.1765
CMYK	0.16, 0.00, 0.16, 0.02
HSL	120°, 77%, 90%
HSV	120°, 16%, 98%
XYZ	72.0721, 86.1061, 73.7887
YIQ	232.8930, -10.7250, -20.3970

# Conversions

## Conversions Part 2

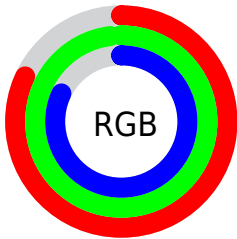
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 249, 249
Decimal	13826514
CIE Lab	94.36, -19.73, 14.60
CIE LCh	94, 24.547, 143.508
Yxy	86.1061, 0.3107, 0.3712
Android (android.graphics.Color)	4292016594 (0xFFD2F9D2)
YUV	232.8930, -11.2862, -20.0772
Hunter-Lab	92.7934, -23.7484, 17.8084

# Details

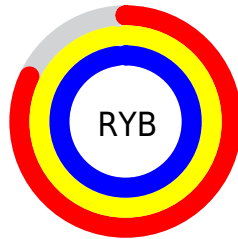
The Yxy color **86.1061, 0.3107, 0.3712** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.0424, 0.3146, 0.2901**, and the grayscale version is **81.4868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0344, 0.3103, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **81.5914, 0.3092, 0.4026**, and if you desaturate by 10%, it is **91.3893, 0.3120, 0.3433**.

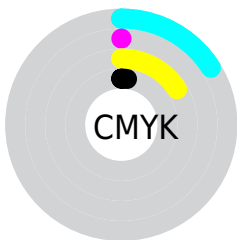
# Distribution



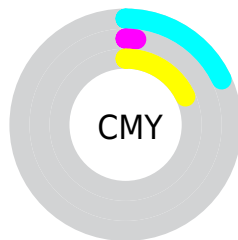
- Red (82%)
- Green (98%)
- Blue (82%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1061, 0.3107, 0.3712 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 86.1061, 0.3107, 0.3712 by changing the saturation by 10% instead.




 86.1061, 0.3107,  
0.3712

 86.1061, 0.3107,  
0.3712

515.2810, 0.3119,  
0.3517

 64.7557, 0.3104,  
0.3756


141.9175, 0.3112,  
0.3644

 47.2630, 0.3099,  
0.3811

177.1474, 0.3113,  
0.3618

 33.2436, 0.3093,  
0.3881


217.7725, 0.3115,  
0.3595

 22.3131, 0.3085,  
0.3972

264.1773, 0.3116,  
0.3576

 14.0872, 0.3072,  
0.4095

316.7461, 0.3117,  
0.3558

 8.1813, 0.3051,  
0.4272


375.8634, 0.3118,


 4.2112, 0.3011,


0.3543


0.4546


441.9136, 0.3118,  
0.3529


 1.7924, 0.2942,  
0.5055

 0.4824, 0.0000,  
1.0000


 86.1061, 0.3107,  
0.3712


 86.1061, 0.3107,  
0.3712


 81.5914, 0.3092,  
0.4026

 91.3893, 0.3120,  
0.3433

 77.7992, 0.3076,  
0.4369


 96.2448, 0.3130,  
0.3233

 74.6952, 0.3059,  
0.4729


 72.2382, 0.3042,  
0.5087

 70.3825, 0.3027,  
0.5416

 69.0766, 0.3014,  
0.5686

 68.2600, 0.3005,  
0.5876

 67.8583, 0.3001,  
0.5976

 67.7656, 0.3000,  
0.5999

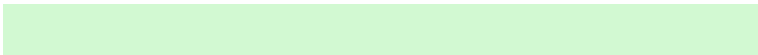
# Harmonies

## Analogous

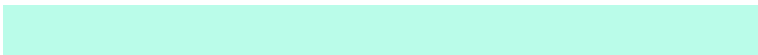
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1061, 0.3383, 0.3789



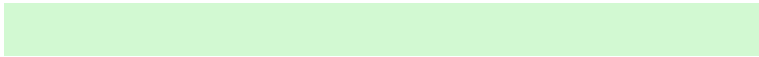
86.1061, 0.3107, 0.3712



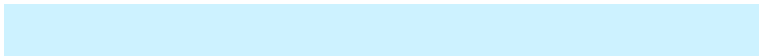
86.1061, 0.2844, 0.3504

# Triad

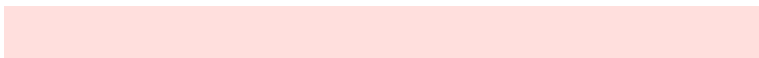
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1061, 0.3107, 0.3712



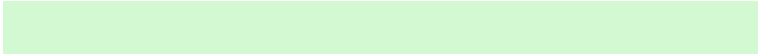
86.1061, 0.2670, 0.2859



86.1061, 0.3614, 0.3310

# Complementary

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



86.1061, 0.3107, 0.3712



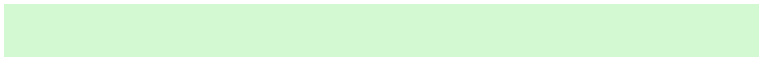
73.0424, 0.3146, 0.2901

# 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.



86.1061, 0.3407, 0.3085



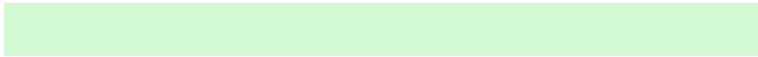
86.1061, 0.3107, 0.3712



86.1061, 0.2860, 0.2830

# Square

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



86.1061, 0.3107, 0.3712



86.1061, 0.2600, 0.3003



86.1061, 0.3128, 0.2913

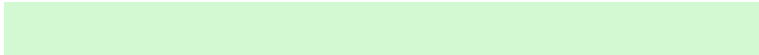


86.1061, 0.3684, 0.3540

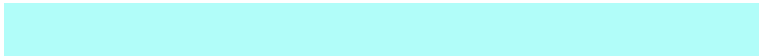


# Rectangle

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



86.1061, 0.3107, 0.3712



86.1061, 0.2711, 0.3328



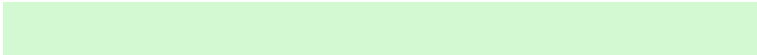
86.1061, 0.3128, 0.2913



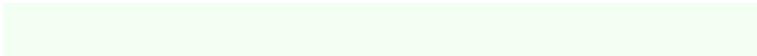
86.1061, 0.3558, 0.3232

# Sweetspot

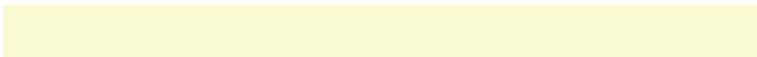
The Sweet Spot groups the original color and five complimentary colors.



86.1098, 0.3107, 0.3712



96.8685, 0.3121, 0.3415



92.5584, 0.3363, 0.3681



20.6433, 0.3120, 0.3433



0.0000, 0.0000, 0.0000

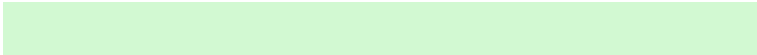


21.4041, 0.3127, 0.3290

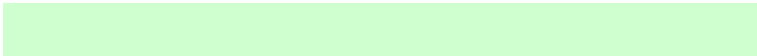


# Same Dimension

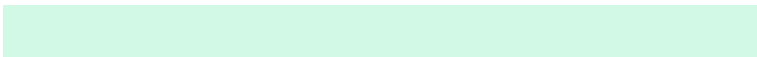
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1098, 0.3107, 0.3712



89.2072, 0.3102, 0.3813



87.1409, 0.2996, 0.3497



19.3097, 0.3115, 0.3535



36.2669, 0.3000, 0.5999



3.3591, 0.2999, 0.5997



# Inverse Universe

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



73.0424, 0.3146, 0.2901



72.8833, 0.3150, 0.2817



71.8891, 0.3282, 0.3092



17.5241, 0.3138, 0.3057



14.4295, 0.3213, 0.1544



1.3366, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 86.1061, 0.3107, 0.3712 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 86.1061, 0.3107, 0.3712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

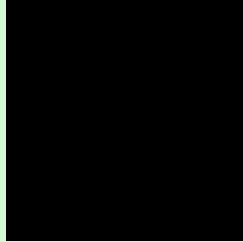
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

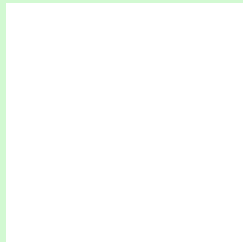
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.1061, 0.3107, 0.3712**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1061, 0.3107, 0.3712.

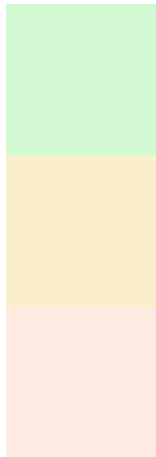


This preview shows how white text looks on a background with the Yxy color 86.1061, 0.3107, 0.3712.

# 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

86.1061, 0.3107, 0.3712

### Protanopia

85.8327, 0.3426, 0.3634

### Deuteranopia

85.5966, 0.3322, 0.3370



## Tritanopia

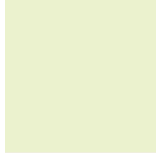
85.9779, 0.2937, 0.3147

# Trichromacy



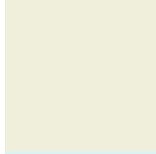
## Original Color

86.1061, 0.3107, 0.3712



## Protanomaly

85.6227, 0.3302, 0.3665



## Deuteranomaly

85.2510, 0.3245, 0.3485



## Tritanomaly

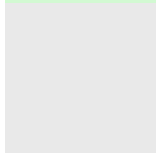
85.9934, 0.2998, 0.3342

# Monochromacy



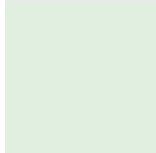
## Original Color

86.1061, 0.3107, 0.3712



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.1768, 0.3120, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1061, 0.3107, 0.3712 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(210, 249, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 210)  
}
```

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(210, 249, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1061, 0.3107, 0.3712 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(210, 249, 210) }
```

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

```
.border{ border-color:rgb(210, 249, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1061, 0.3107, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 210) }
```

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

```
.background{ background-color: rgb(210,  
249, 210) }
```

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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