

# Converting Colors

$Y_{xy}(127.6599, 0.3067, 0.4193)$

Have a look what the booklet for  
Yxy(127.6599, 0.3067, 0.4193)  
contains.

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# Color

**Yxy(90.0767, 0.3082, 0.3728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFD6
RGB	210, 255, 214
RGB Percent	82%, 100%, 84%
CMY	0.1766, 0.0000, 0.1608
CMYK	0.18, 0.00, 0.16, 0.00
HSL	125°, 100%, 91%
HSV	125°, 18%, 100%
XYZ	74.4679, 90.0767, 77.0774
YIQ	236.8710, -13.6590, -22.2910

# Conversions

## Conversions Part 2

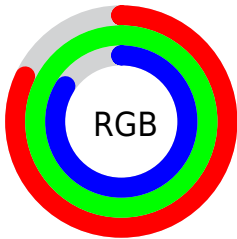
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 251, 255
Decimal	13828054
CIE <sub>Lab</sub>	96.03, -21.94, 14.91
CIE <sub>LCh</sub>	96, 26.524, 145.805
Y <sub>xy</sub>	90.0767, 0.3082, 0.3728
Android (android.graphics.Color)	4292018134 (0xFFD2FFD6)
YUV	236.8710, -11.2754, -23.5659
Hunter-Lab	94.9087, -26.0345, 18.2854

# Details

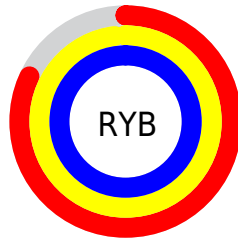
The Yxy color **90.0767, 0.3082, 0.3728** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.2990, 0.3175, 0.2888**, and the grayscale version is **84.6706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8599, 0.3071, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **85.5199, 0.3056, 0.4019**, and if you desaturate by 10%, it is **95.3885, 0.3108, 0.3468**.

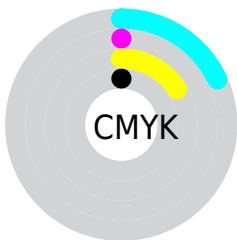
# Distribution



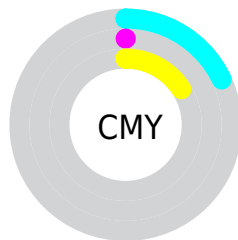
- Red (82%)
- Green (100%)
- Blue (84%)



- Red (82%)
- Yellow (98%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0767, 0.3082, 0.3728 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 90.0767, 0.3082, 0.3728 by changing the saturation by 10% instead.



 90.0767, 0.3082,  
0.3728

 90.0767, 0.3082,  
0.3728

528.2803, 0.3105,  
0.3527

 68.0443, 0.3076,  
0.3774


147.4449, 0.3090,  
0.3659

 49.9337, 0.3069,  
0.3830

183.5495, 0.3094,  
0.3631

 35.3608, 0.3059,  
0.3900


225.1136, 0.3096,  
0.3608

 23.9409, 0.3046,  
0.3992

272.5216, 0.3099,  
0.3588

 15.2898, 0.3026,  
0.4117

326.1578, 0.3101,  
0.3570

 9.0230, 0.2996,  
0.4293

386.4068, 0.3102,

 4.7562, 0.2945,

0.3554

0.4564

453.6528, 0.3104,  
0.3540

■ 2.1049, 0.2844,  
0.5029

■ 0.6674, 0.1289,  
0.8711

■ 90.0767, 0.3082,  
0.3728

■ 90.0767, 0.3082,  
0.3728

■ 85.5199, 0.3056,  
0.4019

■ 95.3885, 0.3108,  
0.3468

■ 81.6984, 0.3030,  
0.4337

100.0000, 0.3127,  
0.3290

■ 78.5688, 0.3007,  
0.4672

■ 76.0897, 0.2988,  
0.5009

■ 74.2150, 0.2976,  
0.5325

■ 72.8927, 0.2972,  
0.5597

■ 72.0619, 0.2976,  
0.5804

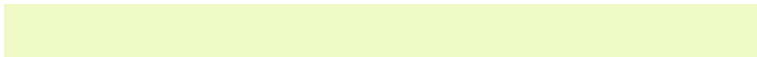
■ 71.6436, 0.2986,  
0.5934

■ 71.5812, 0.2987,  
0.5954

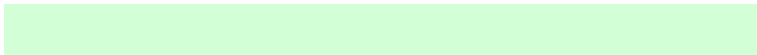
# Harmonies

## Analogous

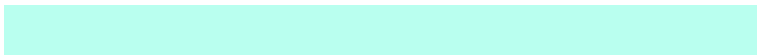
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0767, 0.3378, 0.3822



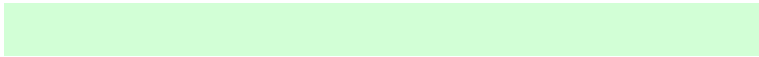
90.0767, 0.3082, 0.3728



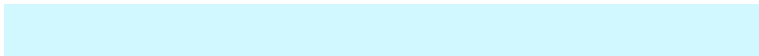
90.0767, 0.2807, 0.3498

# Triad

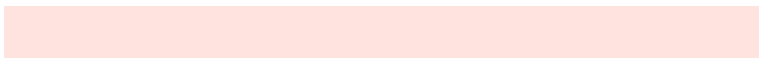
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.0767, 0.3082, 0.3728



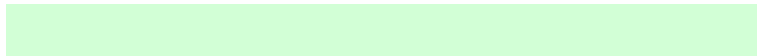
90.0767, 0.2653, 0.2825



90.0767, 0.3658, 0.3329

# Complementary

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



90.0767, 0.3082, 0.3728



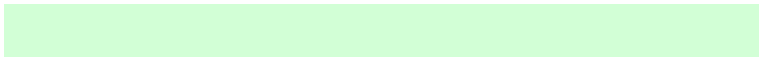
74.2990, 0.3175, 0.2888

# 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.



90.0767, 0.3445, 0.3089



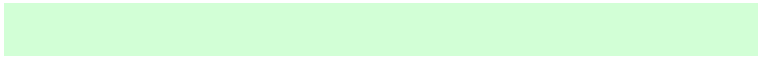
90.0767, 0.3082, 0.3728



90.0767, 0.2862, 0.2805

# Square

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



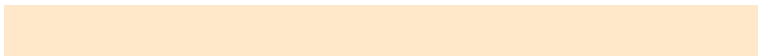
90.0767, 0.3082, 0.3728



90.0767, 0.2568, 0.2968



90.0767, 0.3151, 0.2901

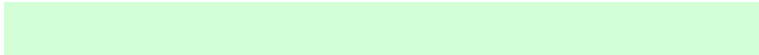


90.0767, 0.3719, 0.3572



# Rectangle

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



90.0767, 0.3082, 0.3728



90.0767, 0.2671, 0.3308



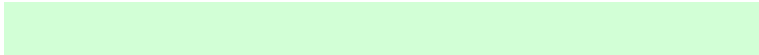
90.0767, 0.3151, 0.2901



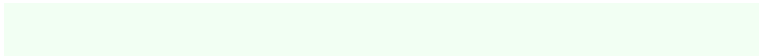
90.0767, 0.3601, 0.3246

# Sweetspot

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



90.0715, 0.3082, 0.3728



96.9363, 0.3115, 0.3404



96.7266, 0.3369, 0.3734



20.6597, 0.3113, 0.3421



0.0000, 0.0000, 0.0000

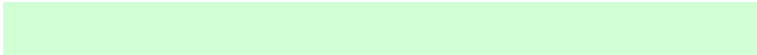


21.4041, 0.3127, 0.3290

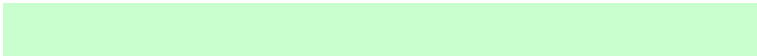


# Same Dimension

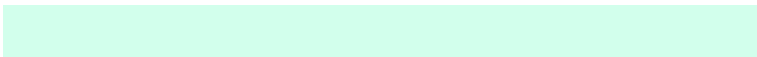
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0715, 0.3082, 0.3728



88.4681, 0.3073, 0.3822



91.2864, 0.2960, 0.3486



20.1946, 0.3103, 0.3513



37.4116, 0.2984, 0.5942



3.6512, 0.2950, 0.5821



# Inverse Universe

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



74.2990, 0.3175, 0.2888



70.1584, 0.3185, 0.2810



72.9781, 0.3332, 0.3102



18.2707, 0.3152, 0.3076



14.1696, 0.3449, 0.1673

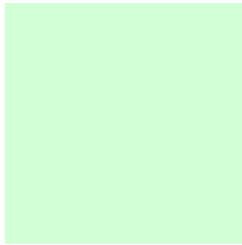


1.3875, 0.3418, 0.1657



# Previews

## White Background



This preview shows how the Yxy color 90.0767, 0.3082, 0.3728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

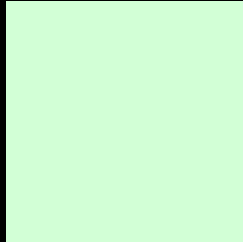
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.0767, 0.3082, 0.3728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

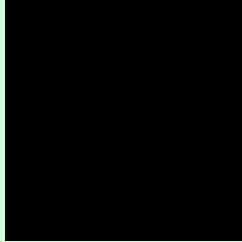
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

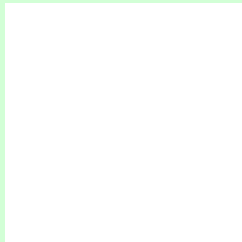
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.0767, 0.3082, 0.3728**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.0767, 0.3082, 0.3728.

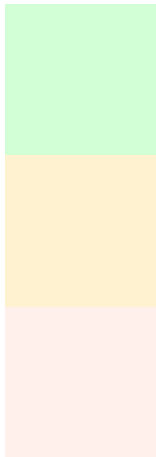


This preview shows how white text looks on a background with the Yxy color 90.0767, 0.3082, 0.3728.

# 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

90.0767, 0.3082, 0.3728

### Protanopia

89.3677, 0.3421, 0.3618

### Deuteranopia

89.5783, 0.3258, 0.3339



## Tritanopia

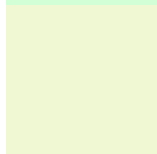
89.6806, 0.2987, 0.3190

# Trichromacy



## Original Color

90.0767, 0.3082, 0.3728



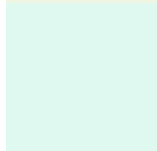
## Protanomaly

89.5754, 0.3292, 0.3658



## Deuteranomaly

89.2016, 0.3197, 0.3473



## Tritanomaly

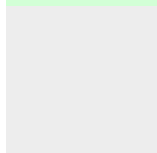
89.8899, 0.3023, 0.3382

# Monochromacy



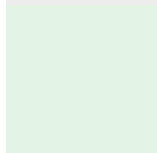
## Original Color

90.0767, 0.3082, 0.3728



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.6894, 0.3107, 0.3445

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.0767, 0.3082, 0.3728 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 90.0767, 0.3082, 0.3728 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, 255, 214) }
```

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

```
.border{ border-color:rgb(210, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.0767, 0.3082, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 214) }
```

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

```
.background{ background-color: rgb(210,  
255, 214) }
```

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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