

# Converting Colors

$Y_{xy}(100.0000, 0.3181, 0.3969)$

Have a look what the booklet for  
Yxy(100.0000, 0.3181, 0.3969)  
contains.

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# Color

**Yxy(90.7372, 0.3194, 0.3841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFCB
RGB	218, 255, 203
RGB Percent	85%, 100%, 80%
CMY	0.1451, 0.0000, 0.2039
CMYK	0.15, 0.00, 0.20, 0.00
HSL	103°, 100%, 90%
HSV	103°, 20%, 100%
XYZ	75.4529, 90.7372, 70.0432
YIQ	238.0090, -5.3600, -24.0160

# Conversions

## Conversions Part 2

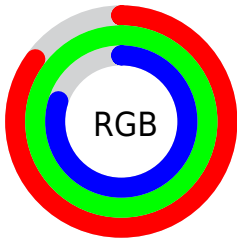
Format	Color
R <sub>Y</sub> B	203, 255, 240
Decimal	14352331
CIE Lab	96.30, -21.09, 20.97
CIE LCh	96, 29.746, 135.162
Yxy	90.7372, 0.3194, 0.3841
Android (android.graphics.Color)	4292542411 (0xFFDAFFCB)
YUV	238.0090, -17.2594, -17.5479
Hunter-Lab	95.2561, -25.3072, 23.0825

# Details

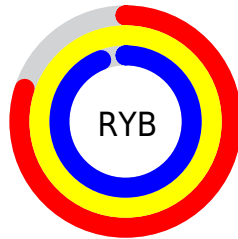
The Yxy color **90.7372, 0.3194, 0.3841** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.4653, 0.3042, 0.2764**, and the grayscale version is **85.6462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3446, 0.3205, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **86.9731, 0.3222, 0.4150**, and if you desaturate by 10%, it is **95.0079, 0.3162, 0.3556**.

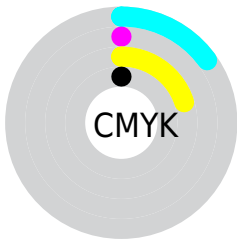
# Distribution



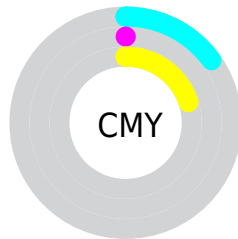
- Red (85%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7372, 0.3194, 0.3841 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 90.7372, 0.3194, 0.3841 by changing the saturation by 10% instead.




 90.7372, 0.3194,  
0.3841

 90.7372, 0.3194,  
0.3841


530.4260, 0.3169,  
0.3588

 68.5922, 0.3198,  
0.3898


148.3620, 0.3186,  
0.3754

 50.3797, 0.3203,  
0.3969

184.6106, 0.3183,  
0.3720

 35.7152, 0.3209,  
0.4057


226.3292, 0.3180,  
0.3690

 24.2143, 0.3214,  
0.4172

273.9022, 0.3177,  
0.3664

 15.4927, 0.3218,  
0.4327

327.7140, 0.3175,  
0.3642

 9.1659, 0.3218,  
0.4546

388.1489, 0.3173,

 4.8495, 0.3205,

0.3622

0.4876

455.5915, 0.3171,  
0.3604

■ 2.1593, 0.3205,  
0.5520

■ 0.6976, 0.1752,  
0.8248

■ 90.7372, 0.3194,  
0.3841

■ 90.7372, 0.3194,  
0.3841

■ 86.9731, 0.3222,  
0.4150

■ 95.0079, 0.3162,  
0.3556


■ 83.6956, 0.3243,  
0.4475

99.8034, 0.3128,  
0.3299


■ 80.8840, 0.3255,  
0.4806


100.0000, 0.3127,  
0.3290

■ 78.5157, 0.3254,  
0.5125

 76.5661, 0.3239,  
0.5410

 75.0078, 0.3209,  
0.5643

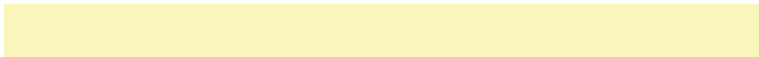
 73.8096, 0.3167,  
0.5809

 72.9561, 0.3120,  
0.5905

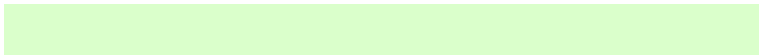
# Harmonies

## Analogous

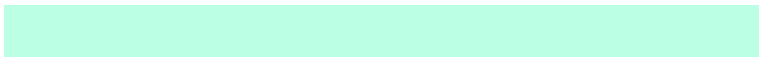
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7372, 0.3512, 0.3879



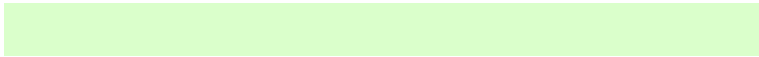
90.7372, 0.3194, 0.3841



90.7372, 0.2870, 0.3628

# Triad

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



90.7372, 0.3194, 0.3841



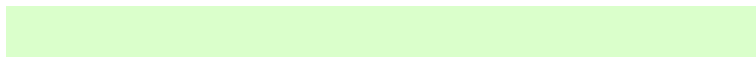
90.7372, 0.2549, 0.2812



90.7372, 0.3653, 0.3234

# Complementary

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



90.7372, 0.3194, 0.3841



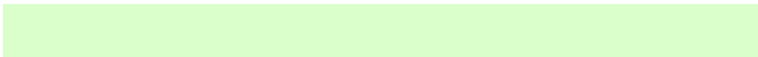
68.4653, 0.3042, 0.2764

# Split Complementary

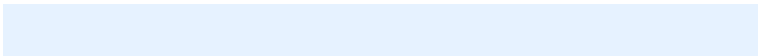
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7372, 0.3371, 0.2983



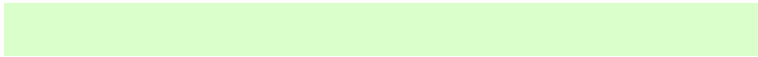
90.7372, 0.3194, 0.3841



90.7372, 0.2735, 0.2743

# Square

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



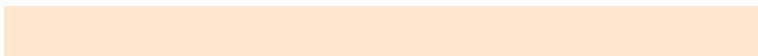
90.7372, 0.3194, 0.3841



90.7372, 0.2509, 0.3015



90.7372, 0.3032, 0.2807

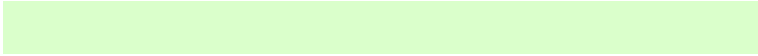


90.7372, 0.3788, 0.3509



# Rectangle

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



90.7372, 0.3194, 0.3841



90.7372, 0.2692, 0.3423



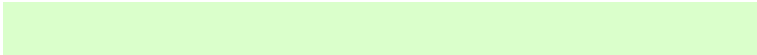
90.7372, 0.3032, 0.2807



90.7372, 0.3572, 0.3144

# Sweetspot

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



90.7373, 0.3194, 0.3841



97.0462, 0.3148, 0.3440



87.5419, 0.3465, 0.3654



20.7056, 0.3150, 0.3457



0.0000, 0.0000, 0.0000

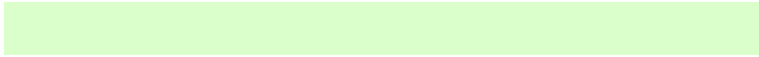


21.4041, 0.3127, 0.3290

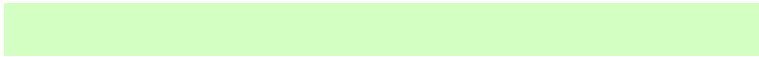


# Same Dimension

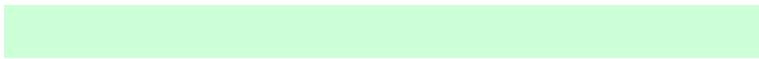
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7373, 0.3194, 0.3841



89.3201, 0.3205, 0.3950



89.0431, 0.3043, 0.3740



20.4217, 0.3159, 0.3533



38.1865, 0.3130, 0.5897



3.7709, 0.3211, 0.5833



# Inverse Universe

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



68.4653, 0.3042, 0.2764



63.7811, 0.3024, 0.2666



70.5457, 0.3224, 0.2878



18.0220, 0.3092, 0.3052



9.0172, 0.2489, 0.1145



0.9338, 0.2573, 0.1191



# Previews

## White Background



This preview shows how the Yxy color 90.7372, 0.3194, 0.3841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

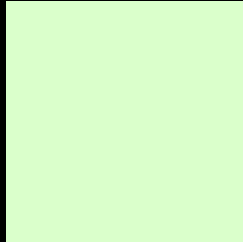
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.7372, 0.3194, 0.3841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

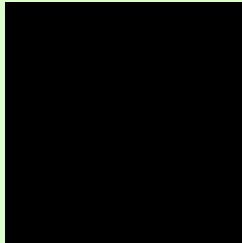
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

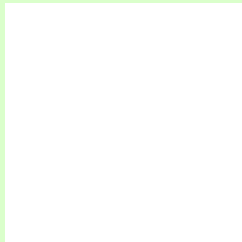
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.7372, 0.3194, 0.3841**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.7372, 0.3194, 0.3841.

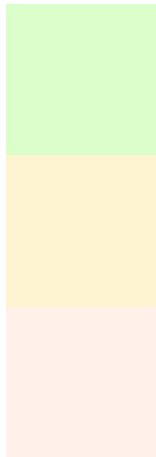


This preview shows how white text looks on a background with the Yxy color 90.7372, 0.3194, 0.3841.

# 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

90.7372, 0.3194, 0.3841

### Protanopia

90.6145, 0.3412, 0.3627

### Deuteranopia

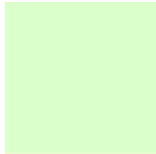
90.1111, 0.3263, 0.3359



## **Tritanopia**

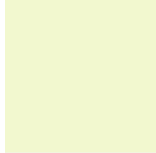
90.3577, 0.3012, 0.3191

# Trichromacy



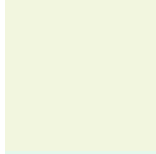
## Original Color

90.7372, 0.3194, 0.3841



## Protanomaly

90.5170, 0.3336, 0.3707



## Deuteranomaly

90.1165, 0.3240, 0.3522



## Tritanomaly

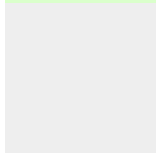
90.4655, 0.3077, 0.3422

# Monochromacy



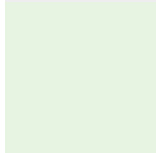
## Original Color

90.7372, 0.3194, 0.3841



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.1265, 0.3157, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.7372, 0.3194, 0.3841 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(218, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 203)  
}
```

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(218, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 90.7372, 0.3194, 0.3841 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(218, 255, 203) }
```

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

```
.border{ border-color:rgb(218, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.7372, 0.3194, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 203) }
```

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

```
.background{ background-color: rgb(218,  
255, 203) }
```

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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