

# Converting Colors

$Yxy(83.3514, 0.3173, 0.3715)$

Have a look what the booklet for  
Yxy(83.3514, 0.3173, 0.3715)  
contains.

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# Color

**Yxy(83.5562, 0.3172, 0.3712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F4CD
RGB	215, 244, 205
RGB Percent	84%, 96%, 80%
CMY	0.1568, 0.0431, 0.1960
CMYK	0.12, 0.00, 0.16, 0.04
HSL	105°, 64%, 88%
HSV	105°, 16%, 96%
XYZ	71.4009, 83.5562, 70.1404
YIQ	230.8830, -4.7650, -18.2770

# Conversions

## Conversions Part 2

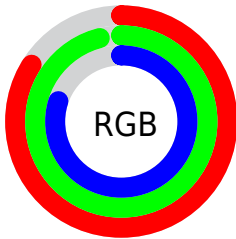
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 244, 234
Decimal	14152909
CIE Lab	93.26, -16.41, 15.65
CIE LCh	93, 22.674, 136.368
Yxy	83.5562, 0.3172, 0.3712
Android (android.graphics.Color)	4292342989 (0xFFD7F4CD)
YUV	230.8830, -12.7603, -13.9294
Hunter-Lab	91.4091, -20.5370, 18.4917

# Details

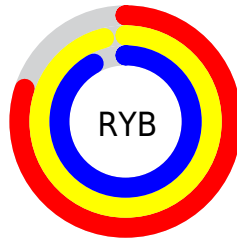
The Yxy color **83.5562, 0.3172, 0.3712** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7031, 0.3073, 0.2885**, and the grayscale version is **79.9245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6744, 0.3177, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **79.8748, 0.3197, 0.4012**, and if you desaturate by 10%, it is **87.7332, 0.3144, 0.3439**.

# Distribution



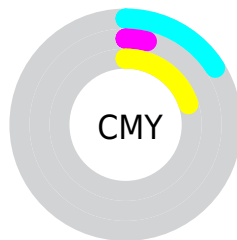
- Red (84%)
- Green (96%)
- Blue (80%)



- Red (80%)
- Yellow (96%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5562, 0.3172, 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 83.5562, 0.3172, 0.3712 by changing the saturation by 10% instead.



 83.5562, 0.3172,  
0.3712

 83.5562, 0.3172,  
0.3712

506.8383, 0.3154,  
0.3516

 62.6491, 0.3175,  
0.3757


138.3542, 0.3166,  
0.3644

 45.5574, 0.3179,  
0.3812


173.0139, 0.3164,  
0.3618

 31.8967, 0.3183,  
0.3882


213.0265, 0.3162,  
0.3595

 21.2826, 0.3187,  
0.3974

258.7766, 0.3160,  
0.3575

 13.3307, 0.3192,  
0.4098

310.6484, 0.3159,  
0.3558

 7.6567, 0.3194,  
0.4278

369.0263, 0.3157,

 3.8761, 0.3189,

0.3542

0.4556

434.2948, 0.3156,  
0.3529

■ 1.6045, 0.3225,  
0.5155

■ 0.3606, 0.0000,  
1.0000

■ 83.5562, 0.3172,  
0.3712

■ 83.5562, 0.3172,  
0.3712

■ 79.8748, 0.3197,  
0.4012

■ 87.7332, 0.3144,  
0.3439

■ 76.6599, 0.3216,  
0.4333

■ 92.4125, 0.3115,  
0.3195

■ 73.8955, 0.3228,  
0.4667

■ 93.1807, 0.3132,  
0.3185

■ 71.5606, 0.3230,  
0.4997

■ 69.6323, 0.3219,  
0.5303

■ 68.0855, 0.3195,  
0.5565

■ 66.8920, 0.3159,  
0.5763

■ 66.0188, 0.3114,  
0.5888

■ 65.7423, 0.3097,  
0.5923

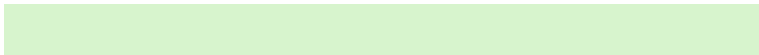
# Harmonies

## Analogous

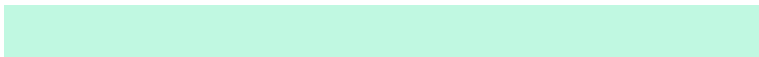
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5562, 0.3422, 0.3751



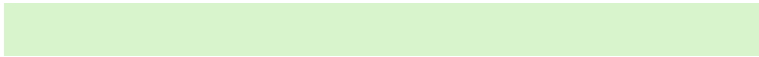
83.5562, 0.3172, 0.3712



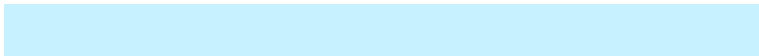
83.5562, 0.2917, 0.3544

# Triad

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



83.5562, 0.3172, 0.3712



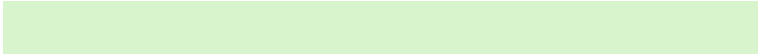
83.5562, 0.2673, 0.2910



83.5562, 0.3545, 0.3257

# Complementary

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



83.5562, 0.3172, 0.3712



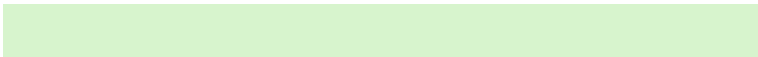
67.7031, 0.3073, 0.2885

# 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.



83.5562, 0.3330, 0.3054



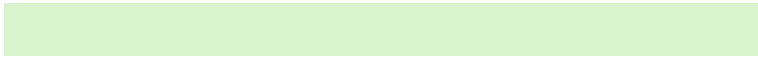
83.5562, 0.3172, 0.3712



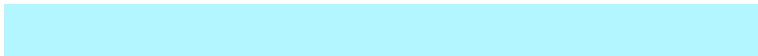
83.5562, 0.2827, 0.2856

# Square

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



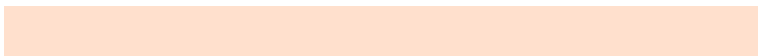
83.5562, 0.3172, 0.3712



83.5562, 0.2636, 0.3070



83.5562, 0.3065, 0.2910

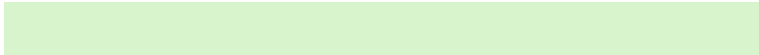


83.5562, 0.3644, 0.3476

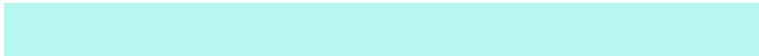


# Rectangle

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



83.5562, 0.3172, 0.3712



83.5562, 0.2778, 0.3386



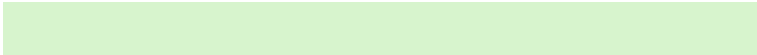
83.5562, 0.3065, 0.2910



83.5562, 0.3483, 0.3185

# Sweetspot

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



83.5598, 0.3172, 0.3712



97.4516, 0.3142, 0.3415



82.2644, 0.3384, 0.3585



20.7844, 0.3144, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

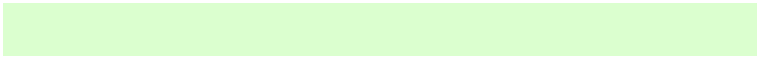


# Same Dimension

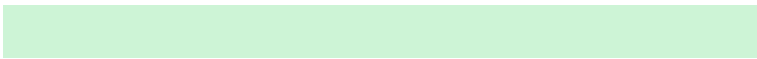
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5598, 0.3172, 0.3712



91.0581, 0.3180, 0.3801



82.5455, 0.3054, 0.3617



18.6772, 0.3154, 0.3532



35.8024, 0.3106, 0.5916



3.1939, 0.3192, 0.5847



# Inverse Universe

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



67.7031, 0.3073, 0.2885



70.6083, 0.3060, 0.2804



68.9029, 0.3210, 0.2983



16.5421, 0.3097, 0.3054



8.9923, 0.2568, 0.1188

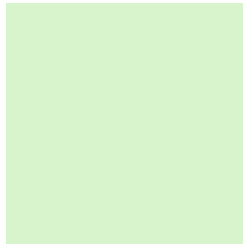


0.8392, 0.2651, 0.1234



# Previews

## White Background



This preview shows how the Yxy color 83.5562, 0.3172, 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 83.5562, 0.3172, 0.3712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

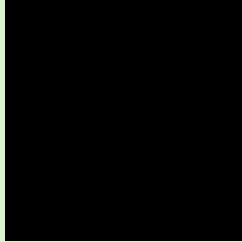
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

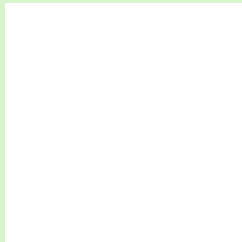
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5562, 0.3172, 0.3712**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5562, 0.3172, 0.3712.

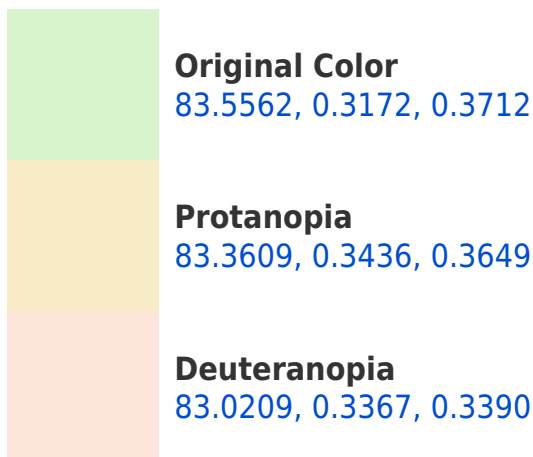


This preview shows how white text looks on a background with the Yxy color 83.5562, 0.3172, 0.3712.

# 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





## Tritanopia

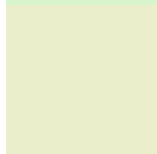
83.4763, 0.2930, 0.3105

# Trichromacy



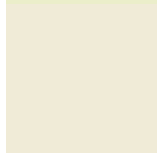
## Original Color

83.5562, 0.3172, 0.3712



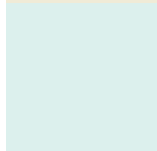
## Protanomaly

83.0755, 0.3333, 0.3668



## Deuteranomaly

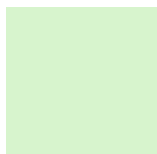
82.8482, 0.3288, 0.3497



## Tritanomaly

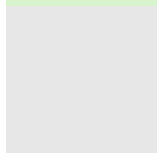
83.6502, 0.3016, 0.3321

# Monochromacy



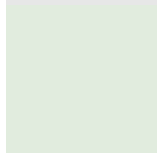
## Original Color

83.5562, 0.3172, 0.3712



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.2724, 0.3140, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5562, 0.3172, 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(215, 244, 205)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 205)  
}
```

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(215, 244, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5562, 0.3172, 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(215, 244, 205) }
```

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

```
.border{ border-color:rgb(215, 244, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 205);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5562, 0.3172, 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(215, 244, 205) }
```

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

```
.background{ background-color: rgb(215,  
244, 205) }
```

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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