

# Converting Colors

Yxy(82.4905, 0.3017, 0.3621)

Have a look what the booklet for  
Yxy(82.4905, 0.3017, 0.3621)  
contains.

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# Color

**Yxy(82.4905, 0.3017, 0.3621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F5D7
RGB	200, 245, 215
RGB Percent	78%, 96%, 84%
CMY	0.2158, 0.0392, 0.1569
CMYK	0.18, 0.00, 0.12, 0.04
HSL	140°, 69%, 87%
HSV	140°, 18%, 96%
XYZ	68.7307, 82.4905, 76.5902
YIQ	228.1250, -17.1900, -18.8700

# Conversions

## Conversions Part 2

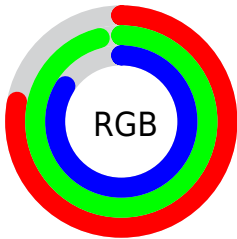
Format	Color
<b>RYB</b>	200, 234, 245
Decimal	13170135
CIELab	92.79, -20.14, 9.70
CIElCh	93, 22.354, 154.279
Yxy	82.4905, 0.3017, 0.3621
Android (android.graphics.Color)	4291360215 (0xFFC8F5D7)
YUV	228.1250, -6.4706, -24.6656
Hunter-Lab	90.8243, -23.8638, 13.5790

# Details

The Yxy color **82.4905, 0.3017, 0.3621** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.4198, 0.3257, 0.2981**, and the grayscale version is **77.7347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9530, 0.2988, 0.3709** is the 20% darker color. If you saturate the color by 10%, you get **78.5893, 0.2960, 0.3832**, and if you desaturate by 10%, it is **87.0229, 0.3077, 0.3432**.

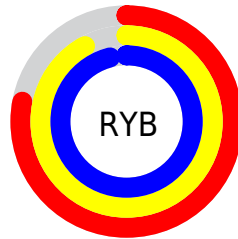
# Distribution



Red (78%)

Green (96%)

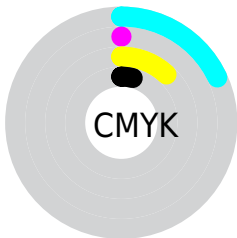
Blue (84%)



Red (78%)

Yellow (92%)

Blue (96%)

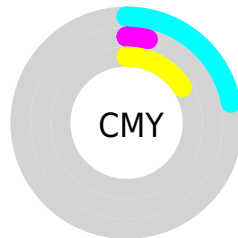


Cyan (18%)

Magenta (0%)

Yellow (12%)

Black (4%)



Cyan (22%)

Magenta (4%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4905, 0.3017, 0.3621 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 82.4905, 0.3017, 0.3621 by changing the saturation by 10% instead.




 82.4905, 0.3017,  
0.3621

 82.4905, 0.3017,  
0.3621

503.2869, 0.3069,  
0.3467

 61.7699, 0.3005,  
0.3656


136.8616, 0.3035,  
0.3568

 44.8468, 0.2990,  
0.3700


171.2810, 0.3042,  
0.3547

 31.3368, 0.2971,  
0.3755

211.0354, 0.3048,  
0.3529

 20.8554, 0.2946,  
0.3828

256.5092, 0.3053,  
0.3514

 13.0184, 0.2911,  
0.3927

308.0869, 0.3058,  
0.3500

 7.4412, 0.2861,  
0.4071

366.1528, 0.3062,

 3.7395, 0.2779,

0.3488

0.4297

431.0914, 0.3066,  
0.3477

■ 1.5289, 0.2631,  
0.4709

■ 0.3090, 0.0000,  
1.0000

■ 82.4905, 0.3017,  
0.3621

■ 82.4905, 0.3017,  
0.3621

■ 78.5893, 0.2960,  
0.3832

■ 87.0229, 0.3077,  
0.3432

■ 75.2808, 0.2908,  
0.4062

■ 92.2024, 0.3137,  
0.3264

■ 72.5381, 0.2865,  
0.4310

■ 93.7928, 0.3132,  
0.3195

■ 70.3280, 0.2833,  
0.4568

■ 68.6139, 0.2816,  
0.4829

■ 67.3544, 0.2816,  
0.5081

■ 66.5007, 0.2834,  
0.5312

■ 65.9850, 0.2867,  
0.5512

■ 65.9187, 0.2873,  
0.5542

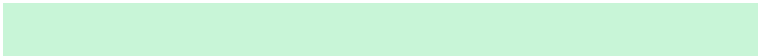
# Harmonies

## Analogous

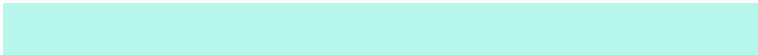
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4905, 0.3276, 0.3740



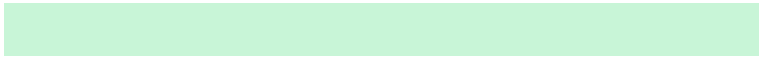
82.4905, 0.3017, 0.3621



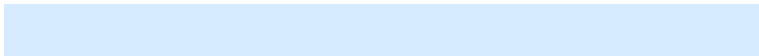
82.4905, 0.2794, 0.3402

# Triad

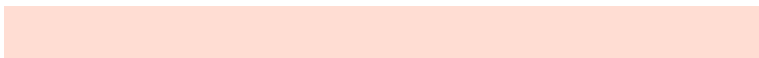
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4905, 0.3017, 0.3621



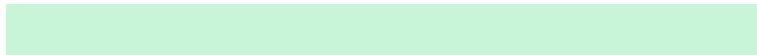
82.4905, 0.2756, 0.2869



82.4905, 0.3616, 0.3388

# Complementary

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



82.4905, 0.3017, 0.3621



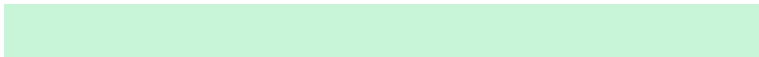
66.4198, 0.3257, 0.2981

# 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.



82.4905, 0.3466, 0.3172



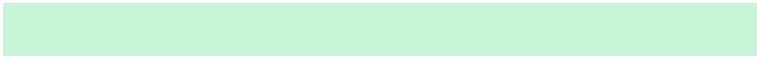
82.4905, 0.3017, 0.3621



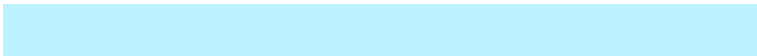
82.4905, 0.2964, 0.2880

# Square

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



82.4905, 0.3017, 0.3621



82.4905, 0.2648, 0.2966



82.4905, 0.3224, 0.2990

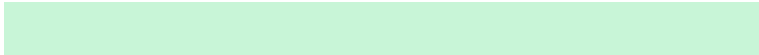


82.4905, 0.3629, 0.3591



# Rectangle

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



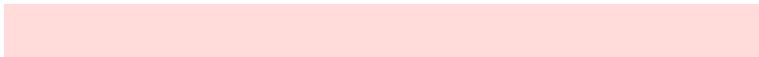
82.4905, 0.3017, 0.3621



82.4905, 0.2693, 0.3238



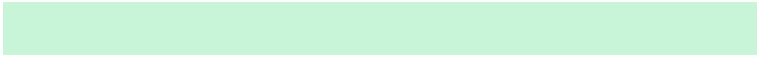
82.4905, 0.3224, 0.2990



82.4905, 0.3580, 0.3315

# Sweetspot

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



82.4940, 0.3017, 0.3621



96.5736, 0.3091, 0.3390



86.3040, 0.3302, 0.3764



20.5943, 0.3087, 0.3402



0.0000, 0.0000, 0.0000

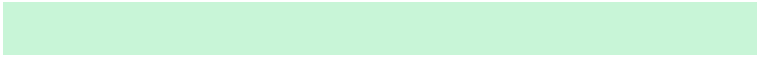


21.4041, 0.3127, 0.3290

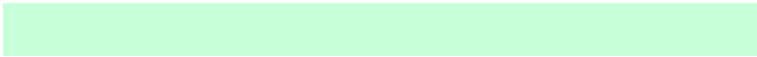


# Same Dimension

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



82.4940, 0.3017, 0.3621



88.6908, 0.2996, 0.3696



83.7316, 0.2891, 0.3370



18.5633, 0.3070, 0.3452



35.5303, 0.2865, 0.5512



3.1411, 0.2795, 0.5261



# Inverse Universe

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



66.4198, 0.3257, 0.2981



68.1329, 0.3288, 0.2916



65.2362, 0.3428, 0.3212



16.6688, 0.3189, 0.3134



11.9135, 0.4276, 0.2129

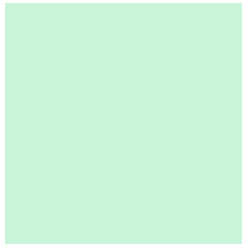


1.0661, 0.4108, 0.2037



# Previews

## White Background



This preview shows how the Yxy color 82.4905, 0.3017, 0.3621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

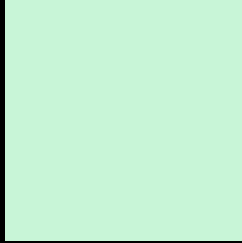
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4905, 0.3017, 0.3621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

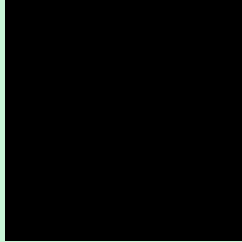
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

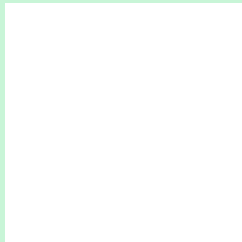
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4905, 0.3017, 0.3621**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4905, 0.3017, 0.3621.

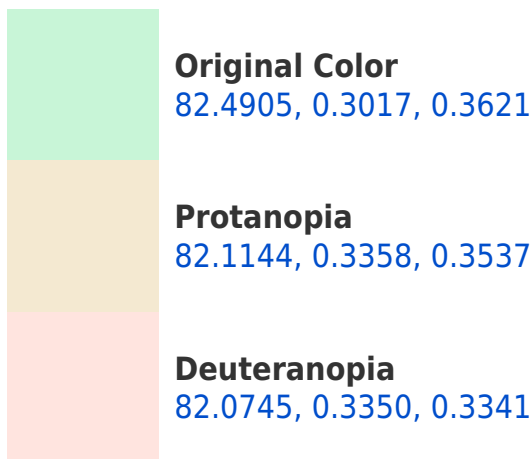


This preview shows how white text looks on a background with the Yxy color 82.4905, 0.3017, 0.3621.

# 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

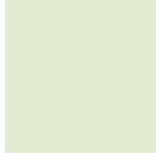
82.2180, 0.2857, 0.3112

# Trichromacy



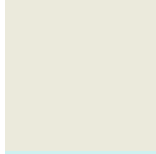
## Original Color

82.4905, 0.3017, 0.3621



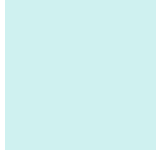
## Protanomaly

81.7655, 0.3229, 0.3566



## Deuteranomaly

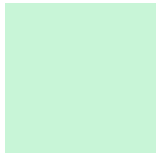
81.6751, 0.3222, 0.3436



## Tritanomaly

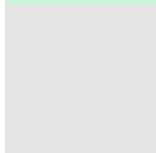
82.4673, 0.2918, 0.3300

# Monochromacy



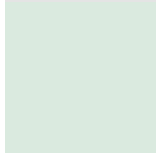
## Original Color

82.4905, 0.3017, 0.3621



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.0788, 0.3088, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4905, 0.3017, 0.3621 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(200, 245, 215)` looks like.

```
.text, #text, p{  
    color:rgb(200, 245, 215)  
}
```

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(200, 245, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 245, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4905, 0.3017, 0.3621 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(200, 245, 215) }
```

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

```
.border{ border-color:rgb(200, 245, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 245, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 245, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 245, 215);  
box-shadow:4px 4px 4px 4px rgb(200, 245,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4905, 0.3017, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 245, 215) }
```

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

```
.background{ background-color: rgb(200,  
245, 215) }
```

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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