

# Converting Colors

Yxy(84.5061, 0.3071, 0.3623)

Have a look what the booklet for  
Yxy(84.5061, 0.3071, 0.3623)  
contains.

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# Color

**Yxy(84.3731, 0.3073, 0.3626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F6D7
RGB	209, 246, 215
RGB Percent	82%, 96%, 84%
CMY	0.1806, 0.0352, 0.1568
CMYK	0.15, 0.00, 0.13, 0.04
HSL	130°, 67%, 89%
HSV	130°, 15%, 96%
XYZ	71.5054, 84.3731, 76.8107
YIQ	231.4030, -12.1010, -17.4850

# Conversions

## Conversions Part 2

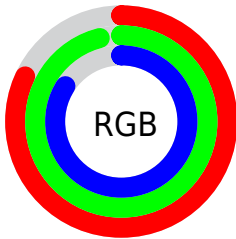
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 241, 246
Decimal	13760215
CIE Lab	93.61, -17.72, 10.95
CIE LCh	94, 20.828, 148.293
Yxy	84.3731, 0.3073, 0.3626
Android (android.graphics.Color)	4291950295 (0xFFD1F6D7)
YUV	231.4030, -8.0867, -19.6474
Hunter-Lab	91.8548, -21.7907, 14.7190

# Details

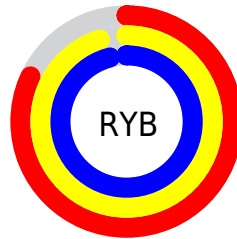
The Yxy color **84.3731, 0.3073, 0.3626** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.4604, 0.3186, 0.2976**, and the grayscale version is **80.2910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2350, 0.3059, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **80.0697, 0.3037, 0.3885**, and if you desaturate by 10%, it is **89.3708, 0.3109, 0.3396**.

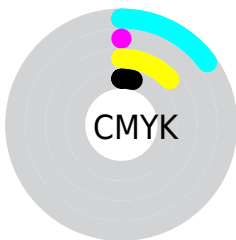
# Distribution



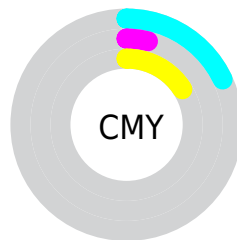
- Red (82%)
- Green (96%)
- Blue (84%)



- Red (82%)
- Yellow (95%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (18%)
- Magenta (4%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3731, 0.3073, 0.3626 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 84.3731, 0.3073, 0.3626 by changing the saturation by 10% instead.




 84.3731, 0.3073,  
0.3626

 84.3731, 0.3073,  
0.3626


509.5514, 0.3099,  
0.3471

 63.3235, 0.3067,  
0.3661


139.4970, 0.3082,  
0.3572

 46.1030, 0.3059,  
0.3705


174.3400, 0.3086,  
0.3551

 32.3271, 0.3049,  
0.3760


214.5497, 0.3089,  
0.3533

 21.6115, 0.3035,  
0.3833

260.5105, 0.3092,  
0.3518

 13.5717, 0.3016,  
0.3931

312.6066, 0.3094,  
0.3504

 7.8234, 0.2986,  
0.4073

371.2225, 0.3096,

 3.9821, 0.2938,

0.3492

0.4294

436.7427, 0.3098,  
0.3481

■ 1.6636, 0.2846,  
0.4688

■ 0.3999, 0.0000,  
1.0000

■ 84.3731, 0.3073,  
0.3626

■ 84.3731, 0.3073,  
0.3626

■ 80.0697, 0.3037,  
0.3885

■ 89.3708, 0.3109,  
0.3396

■ 76.4196, 0.3003,  
0.4170

■ 94.4022, 0.3131,  
0.3204

■ 73.3937, 0.2973,  
0.4475

■ 70.9568, 0.2949,  
0.4791

■ 69.0700, 0.2934,  
0.5101

■ 67.6895, 0.2930,  
0.5387

■ 66.7649, 0.2938,  
0.5629

■ 66.2348, 0.2956,  
0.5810

■ 66.0769, 0.2966,  
0.5876

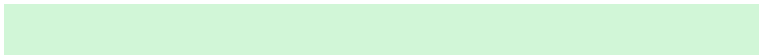
# Harmonies

## Analogous

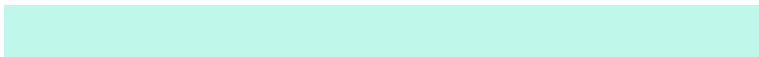
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3731, 0.3312, 0.3712



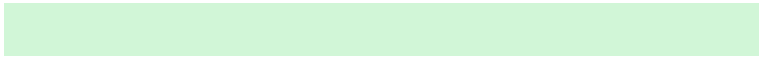
84.3731, 0.3073, 0.3626



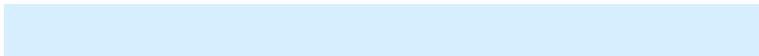
84.3731, 0.2855, 0.3438

# Triad

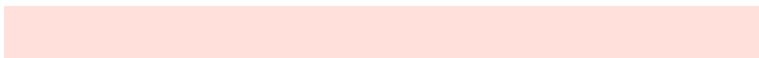
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3731, 0.3073, 0.3626



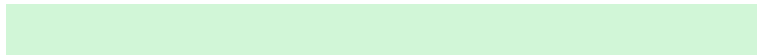
84.3731, 0.2755, 0.2910



84.3731, 0.3561, 0.3342

# Complementary

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



84.3731, 0.3073, 0.3626



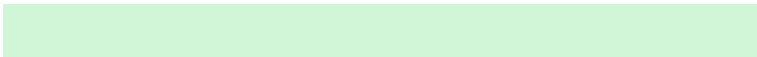
71.4604, 0.3186, 0.2976

# 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.



84.3731, 0.3400, 0.3143



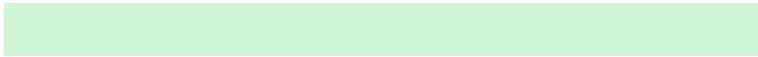
84.3731, 0.3073, 0.3626



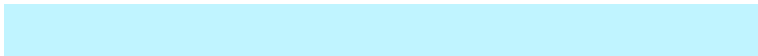
84.3731, 0.2932, 0.2899

# Square

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



84.3731, 0.3073, 0.3626



84.3731, 0.2676, 0.3021



84.3731, 0.3168, 0.2984

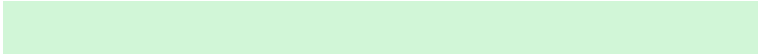


84.3731, 0.3599, 0.3535



# Rectangle

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



84.3731, 0.3073, 0.3626



84.3731, 0.2749, 0.3288



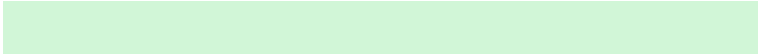
84.3731, 0.3168, 0.2984



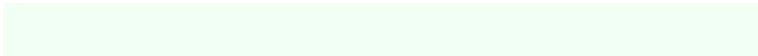
84.3731, 0.3519, 0.3274

# Sweetspot

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



84.3767, 0.3073, 0.3626



96.9935, 0.3109, 0.3395



89.1285, 0.3316, 0.3669



20.6735, 0.3107, 0.3410



0.0000, 0.0000, 0.0000

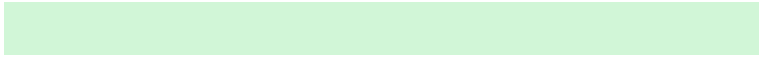


21.4041, 0.3127, 0.3290

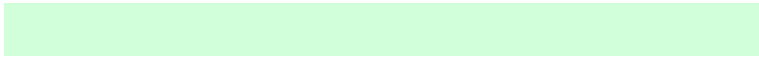


# Same Dimension

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



84.3767, 0.3073, 0.3626



90.0790, 0.3062, 0.3700



85.3557, 0.2970, 0.3428



18.5162, 0.3093, 0.3494



35.2770, 0.2960, 0.5857



3.1131, 0.2905, 0.5656



# Inverse Universe

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



71.4604, 0.3186, 0.2976



73.6562, 0.3200, 0.2912



70.4413, 0.3315, 0.3156



16.7190, 0.3163, 0.3094



12.8488, 0.3671, 0.1796

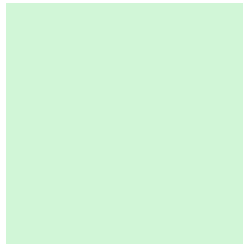


1.1414, 0.3604, 0.1759



# Previews

## White Background



This preview shows how the Yxy color 84.3731, 0.3073, 0.3626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

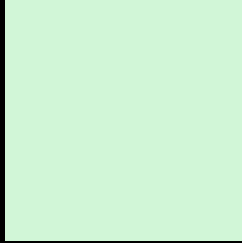
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3731, 0.3073, 0.3626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

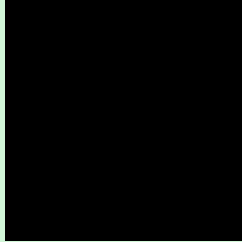
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

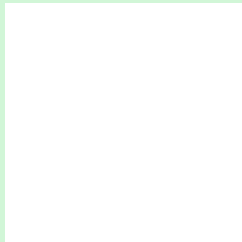
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3731, 0.3073, 0.3626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3731, 0.3073, 0.3626.

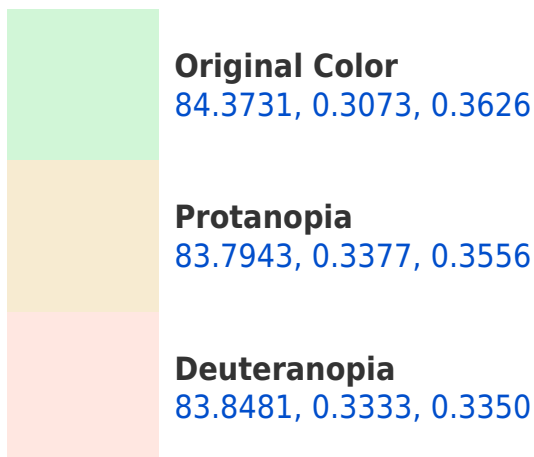


This preview shows how white text looks on a background with the Yxy color 84.3731, 0.3073, 0.3626.

# 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

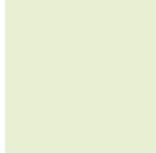
84.1686, 0.2912, 0.3125

# Trichromacy



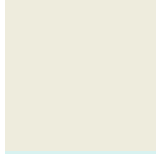
## Original Color

84.3731, 0.3073, 0.3626



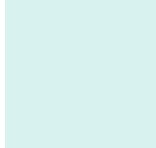
## Protanomaly

83.7598, 0.3261, 0.3583



## Deuteranomaly

83.3885, 0.3235, 0.3445



## Tritanomaly

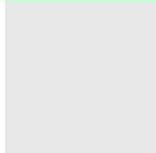
84.3945, 0.2973, 0.3311

# Monochromacy



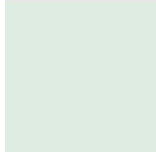
## Original Color

84.3731, 0.3073, 0.3626



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.1151, 0.3108, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3731, 0.3073, 0.3626 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(209, 246, 215)` looks like.

```
.text, #text, p{  
    color:rgb(209, 246, 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(209, 246, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3731, 0.3073, 0.3626 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(209, 246, 215) }
```

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

```
.border{ border-color:rgb(209, 246, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 246, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 215);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3731, 0.3073, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 246, 215) }
```

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

```
.background{ background-color: rgb(209,  
246, 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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