

# Converting Colors

$Yxy(85.3908, 0.3069, 0.3578)$

Have a look what the booklet for  
Yxy(85.3908, 0.3069, 0.3578)  
contains.

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# Color

**Yxy(85.2250, 0.3070, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F6DC
RGB	213, 246, 220
RGB Percent	84%, 96%, 86%
CMY	0.1644, 0.0353, 0.1372
CMYK	0.13, 0.00, 0.11, 0.04
HSL	133°, 65%, 90%
HSV	133°, 13%, 96%
XYZ	73.3298, 85.2250, 80.3045
YIQ	233.1690, -11.3220, -15.0820

# Conversions

## Conversions Part 2

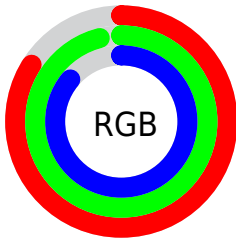
Format	Color
R <sub>Y</sub> B	213, 240, 246
Decimal	14022364
CIE Lab	93.98, -15.47, 8.92
CIE LCh	94, 17.857, 150.027
Yxy	85.2250, 0.3070, 0.3568
Android (android.graphics.Color)	4292212444 (0xFFD5F6DC)
YUV	233.1690, -6.4923, -17.6882
Hunter-Lab	92.3174, -19.7688, 13.0473

# Details

The Yxy color **85.2250, 0.3070, 0.3568** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.4466, 0.3190, 0.3027**, and the grayscale version is **81.6863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8126, 0.3055, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **80.8540, 0.3028, 0.3807**, and if you desaturate by 10%, it is **90.2806, 0.3113, 0.3356**.

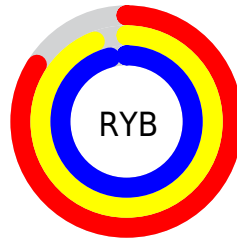
# Distribution



Red (84%)

Green (96%)

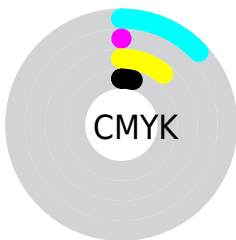
Blue (86%)



Red (84%)

Yellow (94%)

Blue (96%)

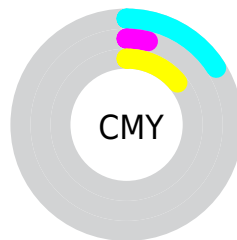


Cyan (13%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (16%)

Magenta (4%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2250, 0.3070, 0.3568 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 85.2250, 0.3070, 0.3568 by changing the saturation by 10% instead.




 85.2250, 0.3070,  
0.3568

 85.2250, 0.3070,  
0.3568


512.3723, 0.3097,  
0.3440

 64.0273, 0.3064,  
0.3597


140.6875, 0.3079,  
0.3524

 46.6728, 0.3056,  
0.3633


175.7211, 0.3083,  
0.3507

 32.7771, 0.3046,  
0.3678


216.1354, 0.3086,  
0.3492

 21.9557, 0.3033,  
0.3736

262.3149, 0.3089,  
0.3479

 13.8244, 0.3014,  
0.3816

314.6440, 0.3091,  
0.3468

 7.9986, 0.2987,  
0.3930

373.5069, 0.3093,

 4.0941, 0.2943,

0.3457

0.4106

439.2882, 0.3095,  
0.3448

■ 1.7263, 0.2862,  
0.4415

■ 0.4406, 0.0854,  
0.9146

■ 85.2250, 0.3070,  
0.3568

■ 85.2250, 0.3070,  
0.3568

■ 80.8540, 0.3028,  
0.3807

■ 90.2806, 0.3113,  
0.3356

■ 77.1275, 0.2987,  
0.4071

■ 94.3846, 0.3131,  
0.3204

■ 74.0181, 0.2952,  
0.4357

■ 71.4918, 0.2923,  
0.4656

■ 69.5114, 0.2905,  
0.4956

■ 68.0355, 0.2900,  
0.5241

■ 67.0161, 0.2908,  
0.5494

■ 66.3961, 0.2929,  
0.5699

■ 66.1518, 0.2946,  
0.5805

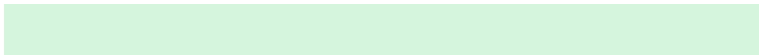
# Harmonies

## Analogous

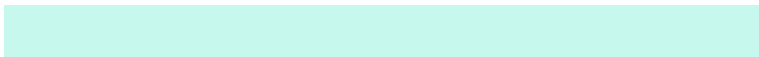
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2250, 0.3275, 0.3648



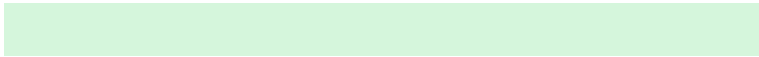
85.2250, 0.3070, 0.3568



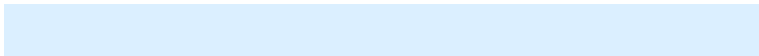
85.2250, 0.2885, 0.3406

# Triad

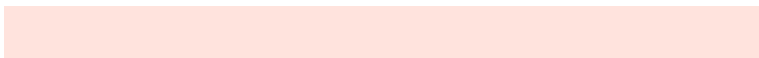
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2250, 0.3070, 0.3568



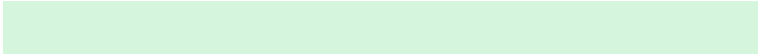
85.2250, 0.2815, 0.2961



85.2250, 0.3502, 0.3346

# Complementary

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



85.2250, 0.3070, 0.3568



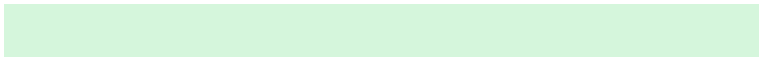
73.4466, 0.3190, 0.3027

# 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.



85.2250, 0.3371, 0.3174



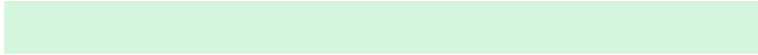
85.2250, 0.3070, 0.3568



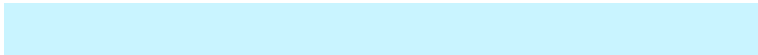
85.2250, 0.2972, 0.2956

# Square

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



85.2250, 0.3070, 0.3568



85.2250, 0.2741, 0.3053



85.2250, 0.3175, 0.3034

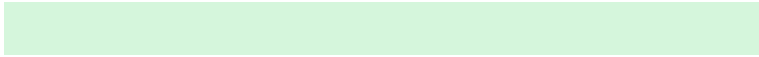


85.2250, 0.3529, 0.3510



# Rectangle

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



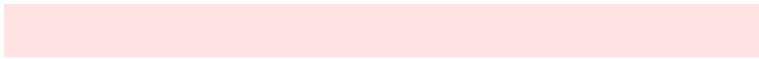
85.2250, 0.3070, 0.3568



85.2250, 0.2796, 0.3278



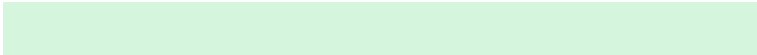
85.2250, 0.3175, 0.3034



85.2250, 0.3468, 0.3287

# Sweetspot

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



85.2286, 0.3070, 0.3568



97.6090, 0.3110, 0.3368



89.1331, 0.3284, 0.3627



20.7990, 0.3107, 0.3384



0.0000, 0.0000, 0.0000

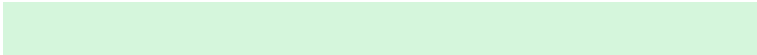


21.4041, 0.3127, 0.3290

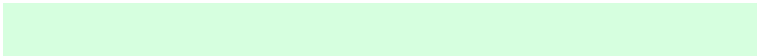


# Same Dimension

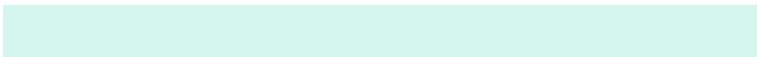
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2286, 0.3070, 0.3568



91.1638, 0.3059, 0.3629



86.1231, 0.2978, 0.3394



18.5293, 0.3087, 0.3482



35.3295, 0.2939, 0.5781



3.1196, 0.2878, 0.5559



# Inverse Universe

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



73.4466, 0.3190, 0.3027



76.1321, 0.3204, 0.2973



72.5369, 0.3303, 0.3189



16.7049, 0.3170, 0.3105



12.5600, 0.3828, 0.1882

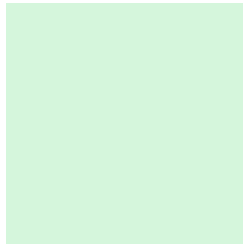


1.1185, 0.3735, 0.1831



# Previews

## White Background



This preview shows how the Yxy color 85.2250, 0.3070, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

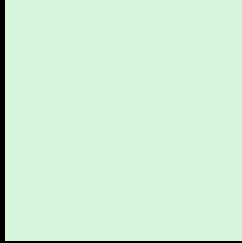
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2250, 0.3070, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

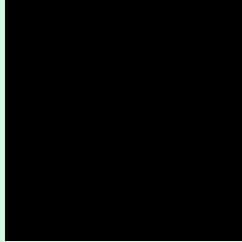
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

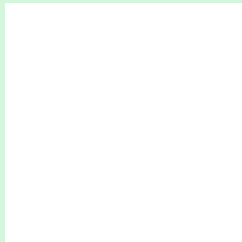
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2250, 0.3070, 0.3568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2250, 0.3070, 0.3568.

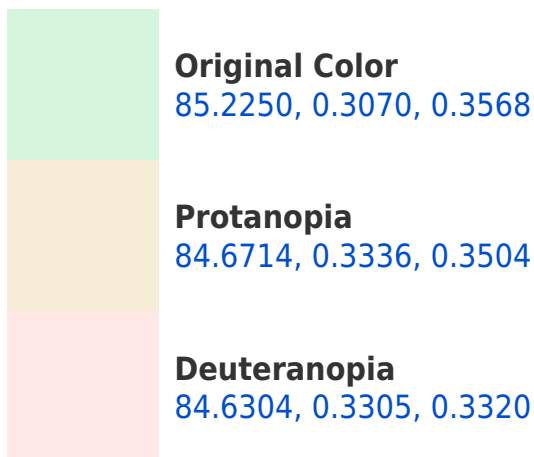


This preview shows how white text looks on a background with the Yxy color 85.2250, 0.3070, 0.3568.

# 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

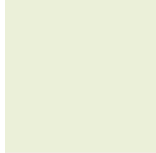
85.2282, 0.2931, 0.3136

# Trichromacy



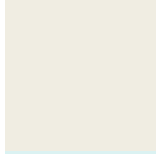
## Original Color

85.2250, 0.3070, 0.3568



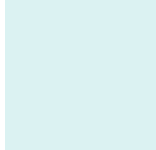
## Protanomaly

84.9921, 0.3236, 0.3528



## Deuteranomaly

84.5846, 0.3216, 0.3402



## Tritanomaly

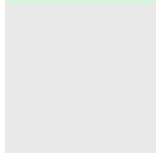
84.9751, 0.2981, 0.3290

# Monochromacy



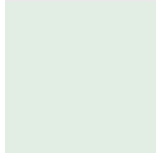
## Original Color

85.2250, 0.3070, 0.3568



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

82.9193, 0.3109, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2250, 0.3070, 0.3568 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(213, 246, 220)` looks like.

```
.text, #text, p{  
    color:rgb(213, 246, 220)  
}
```

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(213, 246, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 246, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2250, 0.3070, 0.3568 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(213, 246, 220) }
```

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

```
.border{ border-color:rgb(213, 246, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 246, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 246, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 246, 220);  
box-shadow:4px 4px 4px 4px rgb(213, 246,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2250, 0.3070, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 246, 220) }
```

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

```
.background{ background-color: rgb(213,  
246, 220) }
```

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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