

# Converting Colors

Yxy(84.4139, 0.3250, 0.3895)

Have a look what the booklet for  
Yxy(84.4139, 0.3250, 0.3895)  
contains.

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# Color

**Yxy(84.7302, 0.3252, 0.3899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F7BF
RGB	215, 247, 191
RGB Percent	84%, 97%, 75%
CMY	0.1572, 0.0313, 0.2510
CMYK	0.13, 0.00, 0.23, 0.03
HSL	94°, 78%, 86%
HSV	94°, 23%, 97%
XYZ	70.6701, 84.7302, 61.9124
YIQ	231.0480, -1.0960, -24.2000

# Conversions

## Conversions Part 2

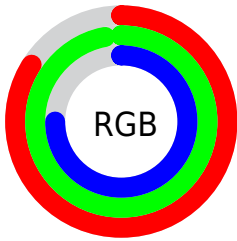
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 247, 223
Decimal	14153663
CIE Lab	93.77, -20.16, 23.56
CIE LCh	94, 31.010, 130.556
Yxy	84.7302, 0.3252, 0.3899
Android (android.graphics.Color)	4292343743 (0xFFD7F7BF)
YUV	231.0480, -19.7437, -14.0741
Hunter-Lab	92.0490, -24.0435, 24.5557

# Details

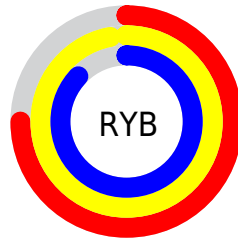
The Yxy color **84.7302, 0.3252, 0.3899** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6771, 0.2973, 0.2693**, and the grayscale version is **80.0907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **46.5413, 0.3278, 0.4052** is the 20% darker color. If you saturate the color by 10%, you get **81.6866, 0.3301, 0.4200**, and if you desaturate by 10%, it is **88.1499, 0.3198, 0.3616**.

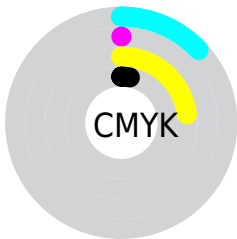
# Distribution



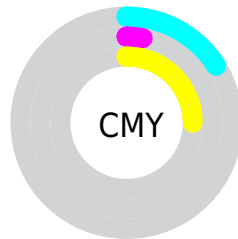
- Red (84%)
- Green (97%)
- Blue (75%)



- Red (75%)
- Yellow (97%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (23%)
- Black (3%)




- Cyan (16%)
- Magenta (3%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7302, 0.3252, 0.3899 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 84.7302, 0.3252, 0.3899 by changing the saturation by 10% instead.




 84.7302, 0.3252,  
0.3899

 84.7302, 0.3252,  
0.3899


510.7349, 0.3201,  
0.3616

 63.6185, 0.3262,  
0.3964


 139.9962, 0.3236,  
0.3801

 46.3417, 0.3273,  
0.4044

174.9192, 0.3229,  
0.3762

 32.5156, 0.3287,  
0.4145


215.2148, 0.3223,  
0.3730

 21.7556, 0.3301,  
0.4277

261.2673, 0.3218,  
0.3701

 13.6774, 0.3317,  
0.4456

313.4612, 0.3213,  
0.3676

 7.8967, 0.3330,  
0.4711

372.1808, 0.3208,

 4.0289, 0.3330,

0.3653

0.5100

437.8106, 0.3205,  
0.3634

1.6897, 0.3610,  
0.6344

0.4170, 0.0000,  
1.0000

84.7302, 0.3252,  
0.3899

84.7302, 0.3252,  
0.3899

81.6866, 0.3301,  
0.4200

88.1499, 0.3198,  
0.3616

78.9943, 0.3342,  
0.4511

91.9477, 0.3142,  
0.3356

76.6421, 0.3370,  
0.4821

95.0179, 0.3131,  
0.3214

74.6138, 0.3383,  
0.5112

■ 72.8918, 0.3375,  
0.5369

■ 71.4563, 0.3348,  
0.5576

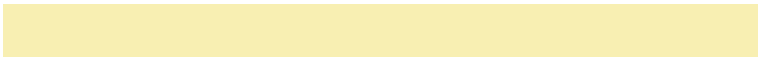
■ 70.2841, 0.3302,  
0.5721

■ 69.5709, 0.3260,  
0.5793

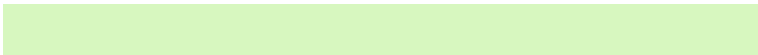
# Harmonies

## Analogous

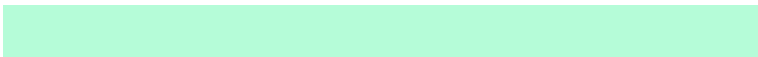
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7302, 0.3581, 0.3907



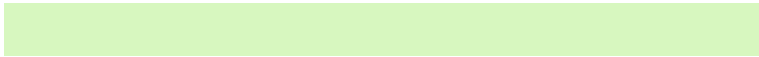
84.7302, 0.3252, 0.3899



84.7302, 0.2902, 0.3697

# Triad

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



84.7302, 0.3252, 0.3899



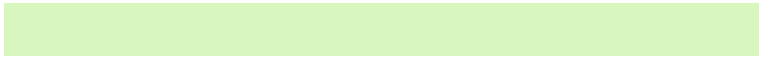
84.7302, 0.2495, 0.2805



84.7302, 0.3651, 0.3185

# Complementary

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



84.7302, 0.3252, 0.3899



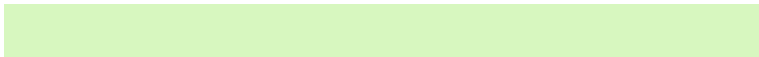
59.6771, 0.2973, 0.2693

# Split Complementary

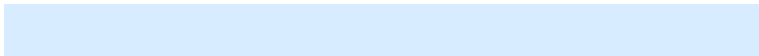
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7302, 0.3332, 0.2929



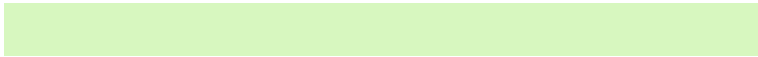
84.7302, 0.3252, 0.3899



84.7302, 0.2670, 0.2710

# Square

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



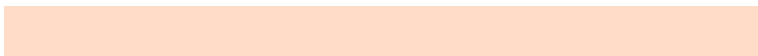
84.7302, 0.3252, 0.3899



84.7302, 0.2478, 0.3039



84.7302, 0.2971, 0.2758

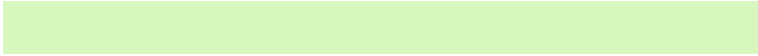


84.7302, 0.3823, 0.3477



# Rectangle

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



84.7302, 0.3252, 0.3899



84.7302, 0.2703, 0.3485



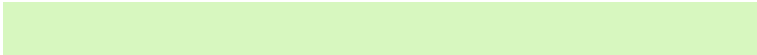
84.7302, 0.2971, 0.2758



84.7302, 0.3556, 0.3093

# Sweetspot

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



84.7339, 0.3252, 0.3899



97.0148, 0.3166, 0.3465



76.1786, 0.3522, 0.3622



20.7121, 0.3170, 0.3481



0.0000, 0.0000, 0.0000

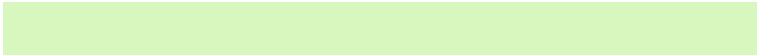


21.4041, 0.3127, 0.3290

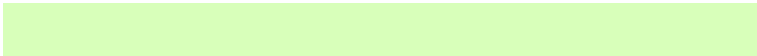


# Same Dimension

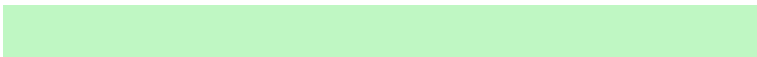
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7339, 0.3252, 0.3899



89.6023, 0.3274, 0.4028



81.5405, 0.3076, 0.3884



18.8179, 0.3180, 0.3530



36.8645, 0.3272, 0.5784



3.2993, 0.3369, 0.5707



# Inverse Universe

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



59.6771, 0.2973, 0.2693



58.5050, 0.2936, 0.2569



63.5244, 0.3181, 0.2760



16.3954, 0.3069, 0.3052



6.6561, 0.2172, 0.0970

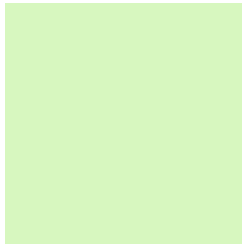


0.6455, 0.2297, 0.1039



# Previews

## White Background



This preview shows how the Yxy color 84.7302, 0.3252, 0.3899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

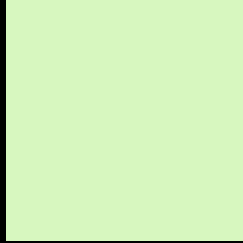
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7302, 0.3252, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

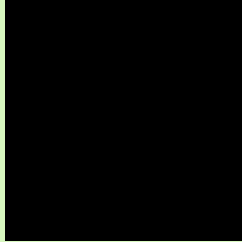
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

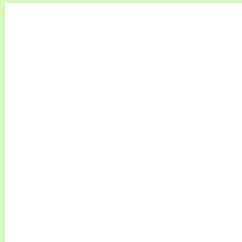
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7302, 0.3252, 0.3899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7302, 0.3252, 0.3899.

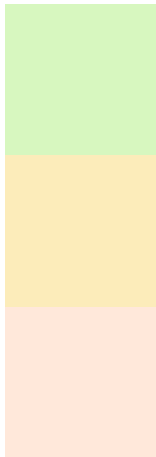


This preview shows how white text looks on a background with the Yxy color 84.7302, 0.3252, 0.3899.

# 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**

84.7302, 0.3252, 0.3899

**Protanopia**

84.2315, 0.3562, 0.3798

**Deuteranopia**

84.0352, 0.3378, 0.3430



## Tritanopia

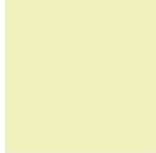
84.5378, 0.2949, 0.3117

# Trichromacy



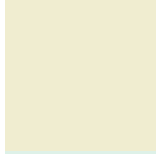
## Original Color

84.7302, 0.3252, 0.3899



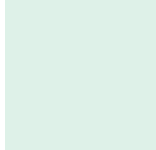
## Protanomaly

84.3017, 0.3447, 0.3832



## Deuteranomaly

83.6477, 0.3331, 0.3590



## Tritanomaly

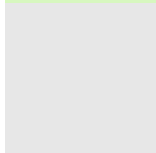
84.2664, 0.3058, 0.3384

# Monochromacy



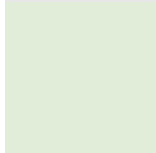
## Original Color

84.7302, 0.3252, 0.3899



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.5338, 0.3177, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7302, 0.3252, 0.3899 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, 247, 191)` looks like.

```
.text, #text, p{  
    color:rgb(215, 247, 191)  
}
```

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, 247, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 247, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7302, 0.3252, 0.3899 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, 247, 191) }
```

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

```
.border{ border-color:rgb(215, 247, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 247, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 247, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 247, 191);  
box-shadow:4px 4px 4px 4px rgb(215, 247,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7302, 0.3252, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 247, 191) }
```

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

```
.background{ background-color: rgb(215,  
247, 191) }
```

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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