

# Converting Colors

$Yxy(84.6126, 0.3230, 0.3685)$

Have a look what the booklet for  
Yxy(84.6126, 0.3230, 0.3685)  
contains.

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# Color

**Yxy(84.5650, 0.3233, 0.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F3CE
RGB	225, 243, 206
RGB Percent	88%, 95%, 81%
CMY	0.1178, 0.0470, 0.1921
CMYK	0.07, 0.00, 0.15, 0.05
HSL	89°, 61%, 88%
HSV	89°, 15%, 95%
XYZ	74.2326, 84.5650, 70.8114
YIQ	233.4000, 1.1490, -15.3230

# Conversions

## Conversions Part 2

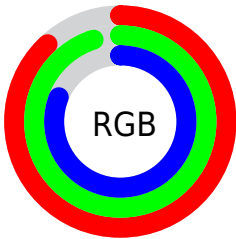
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 243, 224
Decimal	14808014
CIE Lab	93.70, -12.37, 15.85
CIE LCh	94, 20.106, 127.963
Yxy	84.5650, 0.3233, 0.3683
Android (android.graphics.Color)	4292998094 (0xFFE1F3CE)
YUV	233.4000, -13.5082, -7.3668
Hunter-Lab	91.9592, -16.8374, 18.7163

# Details

The Yxy color **84.5650, 0.3233, 0.3683** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4825, 0.3007, 0.2897**, and the grayscale version is **81.9032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3537, 0.3256, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **81.6366, 0.3300, 0.3966**, and if you desaturate by 10%, it is **87.8159, 0.3163, 0.3419**.

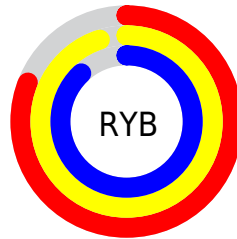
# Distribution



Red (88%)

Green (95%)

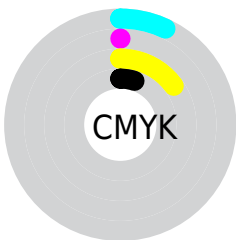
Blue (81%)



Red (81%)

Yellow (95%)

Blue (88%)

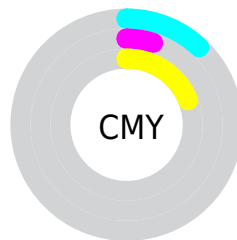


Cyan (7%)

Magenta (0%)

Yellow (15%)

Black (5%)



Cyan (12%)

Magenta (5%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5650, 0.3233, 0.3683 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 84.5650, 0.3233, 0.3683 by changing the saturation by 10% instead.




 84.5650, 0.3233,  
0.3683

 84.5650, 0.3233,  
0.3683


510.1876, 0.3187,  
0.3502

 63.4820, 0.3243,  
0.3724


139.7653, 0.3218,  
0.3620

 46.2313, 0.3254,  
0.3775


174.6513, 0.3212,  
0.3596

 32.4284, 0.3268,  
0.3838


214.9072, 0.3206,  
0.3575

 21.6889, 0.3286,  
0.3921

260.9173, 0.3202,  
0.3557

 13.6285, 0.3307,  
0.4034

313.0660, 0.3197,  
0.3541

 7.8627, 0.3335,  
0.4194

371.7376, 0.3194,

 4.0072, 0.3369,

0.3526

0.4439

437.3167, 0.3190,  
0.3514

1.6776, 0.3462,  
0.4940

0.4091, 0.1752,  
0.8248

84.5650, 0.3233,  
0.3683

84.5650, 0.3233,  
0.3683

81.6366, 0.3300,  
0.3966

87.8159, 0.3163,  
0.3419

79.0086, 0.3362,  
0.4262

91.3886, 0.3094,  
0.3177

76.6730, 0.3414,  
0.4562

92.5918, 0.3133,  
0.3175

74.6170, 0.3452,  
0.4855

■ 72.8268, 0.3471,  
0.5125

■ 71.2871, 0.3469,  
0.5357

■ 69.9805, 0.3443,  
0.5538

■ 68.8859, 0.3397,  
0.5662

■ 68.4245, 0.3371,  
0.5706

# Harmonies

## Analogous

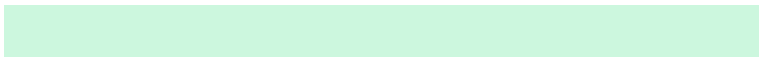
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5650, 0.3441, 0.3685



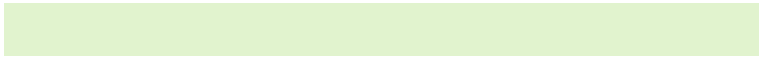
84.5650, 0.3233, 0.3683



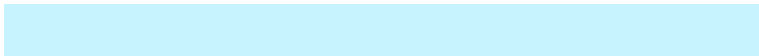
84.5650, 0.3002, 0.3564

# Triad

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



84.5650, 0.3233, 0.3683



84.5650, 0.2704, 0.2986



84.5650, 0.3451, 0.3208

# Complementary

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



84.5650, 0.3233, 0.3683



66.4825, 0.3007, 0.2897

# Split Complementary

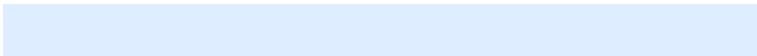
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5650, 0.3243, 0.3038



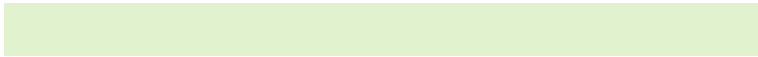
84.5650, 0.3233, 0.3683



84.5650, 0.2814, 0.2909

# Square

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



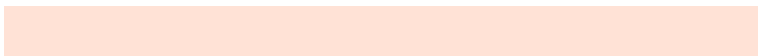
84.5650, 0.3233, 0.3683



84.5650, 0.2703, 0.3150



84.5650, 0.3009, 0.2930

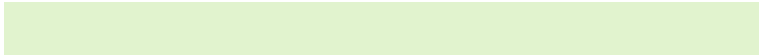


84.5650, 0.3571, 0.3403

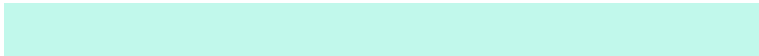


# Rectangle

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



84.5650, 0.3233, 0.3683



84.5650, 0.2866, 0.3435



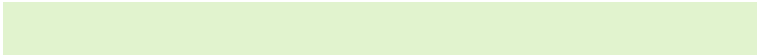
84.5650, 0.3009, 0.2930



84.5650, 0.3388, 0.3147

# Sweetspot

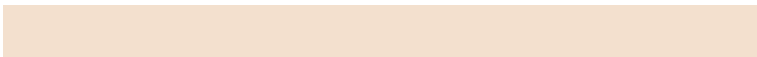
The Sweet Spot groups the original color and five complimentary colors.



84.5687, 0.3233, 0.3683



98.0443, 0.3162, 0.3414



76.7724, 0.3385, 0.3477



20.9283, 0.3167, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

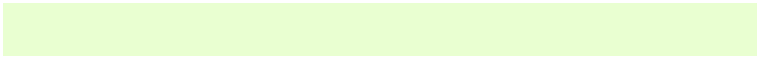


# Same Dimension

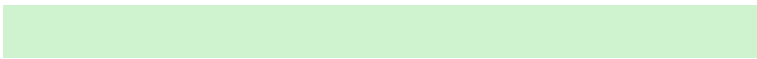
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5687, 0.3233, 0.3683



93.3832, 0.3252, 0.3761



81.7813, 0.3112, 0.3698



18.8889, 0.3193, 0.3529



37.6283, 0.3382, 0.5697



3.3683, 0.3475, 0.5623



# Inverse Universe

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



66.4825, 0.3007, 0.2897



69.9438, 0.2982, 0.2819



69.5705, 0.3140, 0.2913



16.3238, 0.3056, 0.3051



5.7697, 0.2000, 0.0875

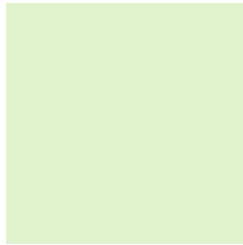


0.5681, 0.2136, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 84.5650, 0.3233, 0.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

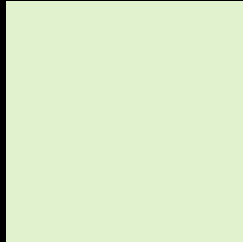
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.5650, 0.3233, 0.3683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

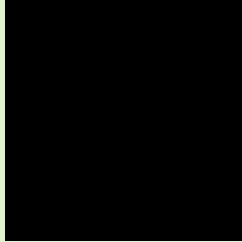
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

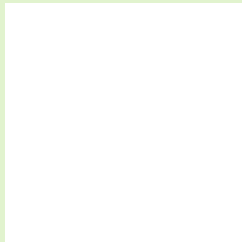
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.5650, 0.3233, 0.3683**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.5650, 0.3233, 0.3683.

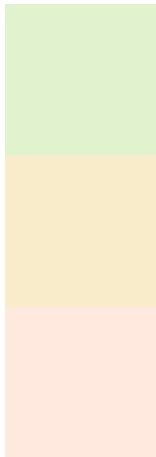


This preview shows how white text looks on a background with the Yxy color 84.5650, 0.3233, 0.3683.

# 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**

84.5650, 0.3233, 0.3683

**Protanopia**

84.3949, 0.3435, 0.3636

**Deuteranopia**

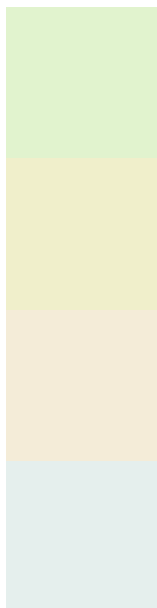
84.2472, 0.3351, 0.3390



## Tritanopia

84.3667, 0.2987, 0.3098

# Trichromacy



## Original Color

84.5650, 0.3233, 0.3683

## Protanomaly

84.5701, 0.3360, 0.3663

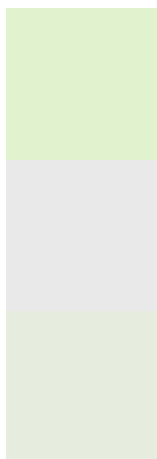
## Deuteranomaly

84.1819, 0.3308, 0.3495

## Tritanomaly

84.5054, 0.3074, 0.3310

# Monochromacy



## Original Color

84.5650, 0.3233, 0.3683

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

82.7191, 0.3167, 0.3436

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.5650, 0.3233, 0.3683 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(225, 243, 206)` looks like.

```
.text, #text, p{  
    color:rgb(225, 243, 206)  
}
```

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(225, 243, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 243, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 84.5650, 0.3233, 0.3683 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(225, 243, 206) }
```

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

```
.border{ border-color:rgb(225, 243, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 243, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 243, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 243, 206);  
box-shadow:4px 4px 4px 4px rgb(225, 243,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.5650, 0.3233, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 243, 206) }
```

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

```
.background{ background-color: rgb(225,  
243, 206) }
```

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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