

# Converting Colors

$Yxy(86.9296, 0.3257, 0.3667)$

Have a look what the booklet for  
Yxy(86.9296, 0.3257, 0.3667)  
contains.

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# Color

**Yxy(86.8972, 0.3253, 0.3666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F5D1
RGB	231, 245, 209
RGB Percent	91%, 96%, 82%
CMY	0.0943, 0.0392, 0.1804
CMYK	0.06, 0.00, 0.15, 0.04
HSL	83°, 64%, 89%
HSV	83°, 15%, 96%
XYZ	77.1076, 86.8972, 73.0306
YIQ	236.7100, 3.2120, -14.1640

# Conversions

## Conversions Part 2

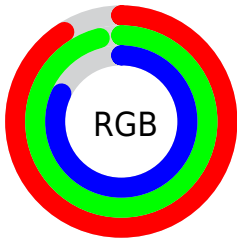
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 245, 223
Decimal	15201745
CIE <sub>Lab</sub>	94.69, -10.81, 15.78
CIE <sub>LCh</sub>	95, 19.128, 124.398
Y <sub>xy</sub>	86.8972, 0.3253, 0.3666
Android (android.graphics.Color)	4293391825 (0xFFE7F5D1)
Y <sub>UV</sub>	236.7100, -13.6610, -5.0077
Hunter-Lab	93.2187, -15.4829, 18.8033

# Details

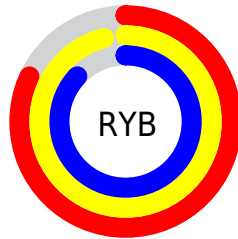
The Yxy color **86.8972, 0.3253, 0.3666** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.8918, 0.2987, 0.2908**, and the grayscale version is **84.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8757, 0.3272, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **84.2321, 0.3337, 0.3942**, and if you desaturate by 10%, it is **89.8434, 0.3167, 0.3406**.

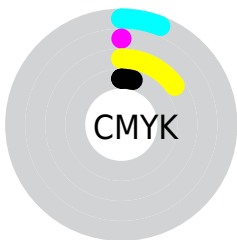
# Distribution



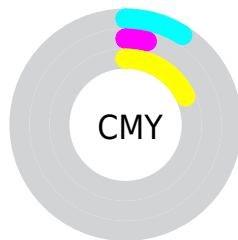
- Red (91%)
- Green (96%)
- Blue (82%)



- Red (82%)
- Yellow (96%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (9%)
- Magenta (4%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8972, 0.3253, 0.3666 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 86.8972, 0.3253, 0.3666 by changing the saturation by 10% instead.



 86.8972, 0.3253,  
0.3666

 86.8972, 0.3253,  
0.3666


517.8850, 0.3198,  
0.3494

 65.4101, 0.3265,  
0.3705


143.0208, 0.3235,  
0.3607

 47.7937, 0.3279,  
0.3752


178.4262, 0.3227,  
0.3584

 33.6636, 0.3296,  
0.3812


219.2398, 0.3221,  
0.3564

 22.6353, 0.3317,  
0.3889

265.8460, 0.3215,  
0.3546

 14.3244, 0.3344,  
0.3993

318.6293, 0.3210,  
0.3531

 8.3466, 0.3380,  
0.4140

377.9739, 0.3206,

 4.3176, 0.3426,

0.3517

0.4362

444.2644, 0.3202,  
0.3505

■ 1.8527, 0.3511,  
0.4770

■ 0.5197, 0.3070,  
0.6930

■ 86.8972, 0.3253,  
0.3666

■ 86.8972, 0.3253,  
0.3666

■ 84.2321, 0.3337,  
0.3942

■ 89.8434, 0.3167,  
0.3406

■ 81.8268, 0.3416,  
0.4229

■ 92.8735, 0.3100,  
0.3194

■ 79.6745, 0.3486,  
0.4516

■ 93.7942, 0.3132,  
0.3195

■ 77.7640, 0.3541,  
0.4793

■ 76.0825, 0.3577,  
0.5047

■ 74.6163, 0.3590,  
0.5263

■ 73.3493, 0.3577,  
0.5430

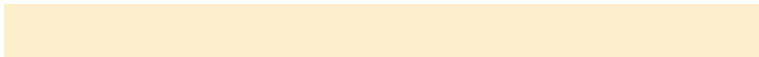
■ 72.2621, 0.3542,  
0.5545

■ 71.7442, 0.3516,  
0.5590

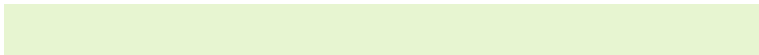
# Harmonies

## Analogous

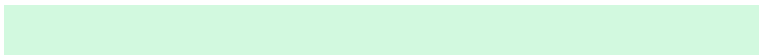
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8972, 0.3442, 0.3655



86.8972, 0.3253, 0.3666



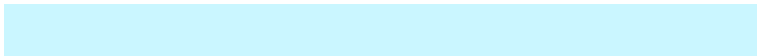
86.8972, 0.3035, 0.3566

# Triad

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



86.8972, 0.3253, 0.3666



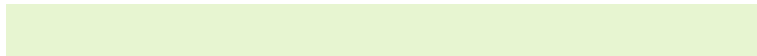
86.8972, 0.2722, 0.3018



86.8972, 0.3412, 0.3192

# Complementary

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



86.8972, 0.3253, 0.3666



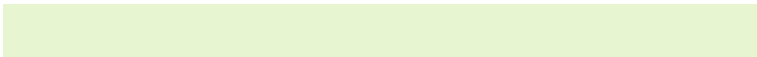
67.8918, 0.2987, 0.2908

# Split Complementary

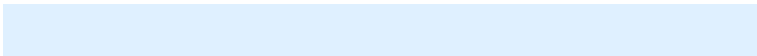
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8972, 0.3210, 0.3036



86.8972, 0.3253, 0.3666



86.8972, 0.2815, 0.2934

# Square

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



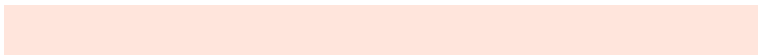
86.8972, 0.3253, 0.3666



86.8972, 0.2733, 0.3181



86.8972, 0.2991, 0.2943

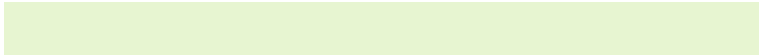


86.8972, 0.3538, 0.3376

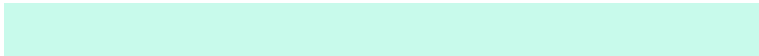


# Rectangle

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



86.8972, 0.3253, 0.3666



86.8972, 0.2902, 0.3450



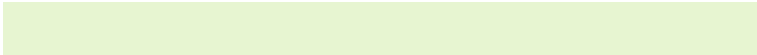
86.8972, 0.2991, 0.2943



86.8972, 0.3351, 0.3135

# Sweetspot

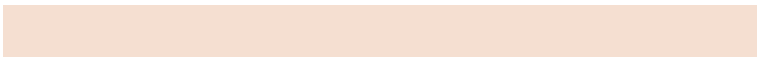
The Sweet Spot groups the original color and five complimentary colors.



86.9010, 0.3253, 0.3666



98.6134, 0.3161, 0.3388



76.6913, 0.3381, 0.3434



21.0527, 0.3168, 0.3407



0.0000, 0.0000, 0.0000

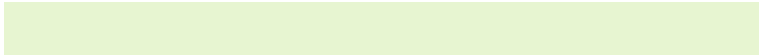


21.4041, 0.3127, 0.3290

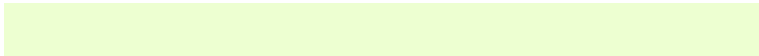


# Same Dimension

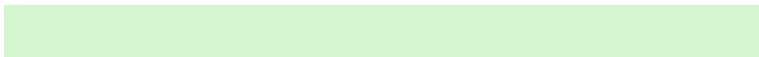
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9010, 0.3253, 0.3666



94.1490, 0.3281, 0.3757



84.0944, 0.3136, 0.3680



18.9721, 0.3208, 0.3528



38.7269, 0.3527, 0.5582



3.4630, 0.3609, 0.5516



# Inverse Universe

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



67.8918, 0.2987, 0.2908



69.2020, 0.2951, 0.2814



70.8636, 0.3114, 0.2923



16.2419, 0.3040, 0.3050



4.9533, 0.1828, 0.0781

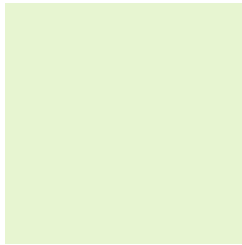


0.4929, 0.1967, 0.0857



# Previews

## White Background



This preview shows how the Yxy color 86.8972, 0.3253, 0.3666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

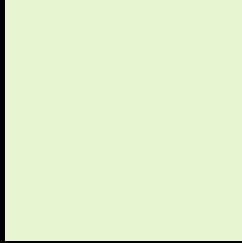
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8972, 0.3253, 0.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

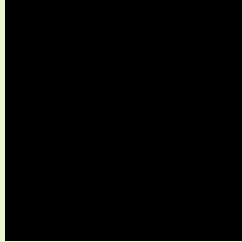
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

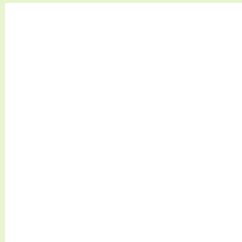
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8972, 0.3253, 0.3666**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8972, 0.3253, 0.3666.

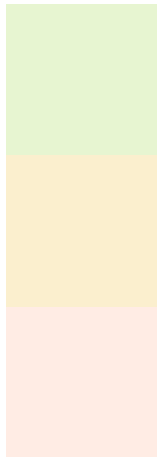


This preview shows how white text looks on a background with the Yxy color 86.8972, 0.3253, 0.3666.

# 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

86.8972, 0.3253, 0.3666

### Protanopia

86.6985, 0.3418, 0.3623

### Deuteranopia

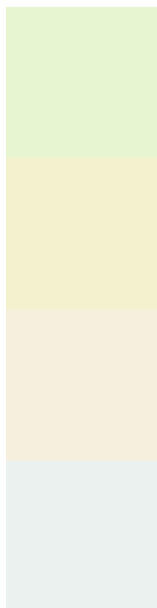
86.8523, 0.3307, 0.3369



## Tritanopia

86.5462, 0.3025, 0.3121

# Trichromacy



## Original Color

86.8972, 0.3253, 0.3666

## Protanomaly

86.6487, 0.3359, 0.3637

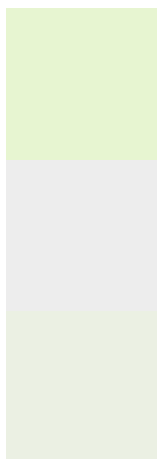
## Deuteranomaly

86.5463, 0.3287, 0.3472

## Tritanomaly

86.7458, 0.3106, 0.3320

# Monochromacy



## Original Color

86.8972, 0.3253, 0.3666

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.5284, 0.3174, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8972, 0.3253, 0.3666 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(231, 245, 209)` looks like.

```
.text, #text, p{  
    color:rgb(231, 245, 209)  
}
```

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(231, 245, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 245, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8972, 0.3253, 0.3666 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(231, 245, 209) }
```

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

```
.border{ border-color:rgb(231, 245, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 245, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 245, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 245, 209);  
box-shadow:4px 4px 4px 4px rgb(231, 245,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8972, 0.3253, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 245, 209) }
```

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

```
.background{ background-color: rgb(231,  
245, 209) }
```

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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