

# Converting Colors

$Yxy(87.3736, 0.3215, 0.3635)$

Have a look what the booklet for  
Yxy(87.3736, 0.3215, 0.3635)  
contains.

<b>Yxy(87.3736, 0.3215, 0.3635)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(87.3736, 0.3215, 0.3635)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5F6D5
RGB	229, 246, 213
RGB Percent	90%, 96%, 84%
CMY	0.1019, 0.0353, 0.1649
CMYK	0.07, 0.00, 0.13, 0.04
HSL	91°, 65%, 90%
HSV	91°, 13%, 96%
XYZ	77.2782, 87.3736, 75.7158
YIQ	237.1550, 0.4610, -13.8670

# Conversions

## Conversions Part 2

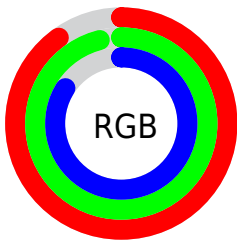
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 246, 230
Decimal	15070933
CIE Lab	94.90, -11.33, 14.01
CIE LCh	95, 18.021, 128.968
Yxy	87.3736, 0.3215, 0.3635
Android (android.graphics.Color)	4293261013 (0xFFE5F6D5)
YUV	237.1550, -11.9084, -7.1519
Hunter-Lab	93.4738, -16.0069, 17.4056

# Details

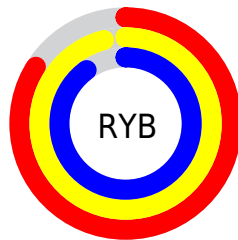
The Yxy color **87.3736, 0.3215, 0.3635** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.0385, 0.3029, 0.2946**, and the grayscale version is **84.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1798, 0.3231, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **84.2159, 0.3279, 0.3916**, and if you desaturate by 10%, it is **90.8800, 0.3150, 0.3374**.

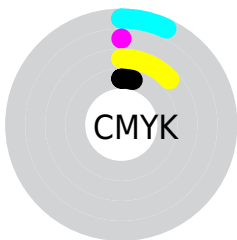
# Distribution



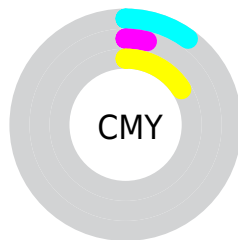
- Red (90%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3736, 0.3215, 0.3635 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 87.3736, 0.3215, 0.3635 by changing the saturation by 10% instead.



87.3736, 0.3215,  
0.3635

87.3736, 0.3215,  
0.3635

519.4497, 0.3177,  
0.3478

65.8044, 0.3223,  
0.3670

143.6848, 0.3202,  
0.3581

48.1137, 0.3233,  
0.3714

179.1955, 0.3197,  
0.3560

33.9169, 0.3244,  
0.3769

220.1223, 0.3193,  
0.3541

22.8298, 0.3258,  
0.3840

266.8494, 0.3189,  
0.3525

14.4679, 0.3277,  
0.3935

319.7614, 0.3186,  
0.3511

8.4468, 0.3300,  
0.4070

379.2424, 0.3183,

4.3821, 0.3329,

0.3499

0.4276

445.6771, 0.3180,  
0.3488

■ 1.8895, 0.3370,  
0.4630

■ 0.5421, 0.3056,  
0.6944

■ 87.3736, 0.3215,  
0.3635

■ 87.3736, 0.3215,  
0.3635

■ 84.2159, 0.3279,  
0.3916

■ 90.8800, 0.3150,  
0.3374

■ 81.3838, 0.3337,  
0.4213

■ 94.2648, 0.3127,  
0.3204

■ 78.8686, 0.3387,  
0.4517

■ 94.3948, 0.3131,  
0.3204

■ 76.6569, 0.3423,  
0.4817

■ 74.7342, 0.3442,  
0.5096

■ 73.0844, 0.3440,  
0.5341

■ 71.6895, 0.3416,  
0.5535

■ 70.5279, 0.3372,  
0.5672

■ 69.8730, 0.3335,  
0.5734

# Harmonies

## Analogous

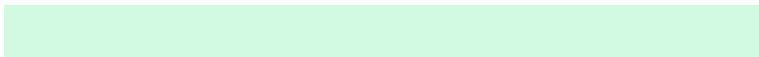
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3736, 0.3401, 0.3642



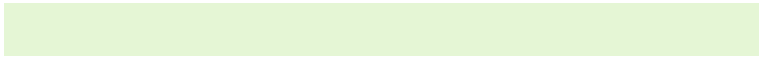
87.3736, 0.3215, 0.3635



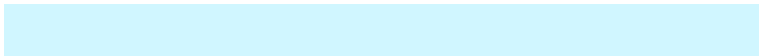
87.3736, 0.3010, 0.3527

# Triad

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



87.3736, 0.3215, 0.3635



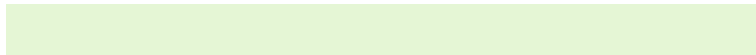
87.3736, 0.2753, 0.3017



87.3736, 0.3419, 0.3224

# Complementary

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



87.3736, 0.3215, 0.3635



71.0385, 0.3029, 0.2946

# Split Complementary

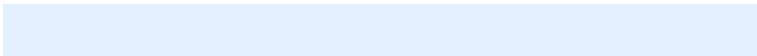
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3736, 0.3237, 0.3070



87.3736, 0.3215, 0.3635



87.3736, 0.2854, 0.2950

# Square

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



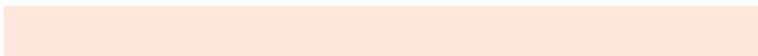
87.3736, 0.3215, 0.3635



87.3736, 0.2748, 0.3161



87.3736, 0.3030, 0.2971

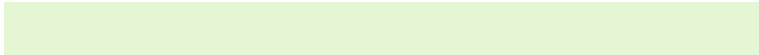


87.3736, 0.3522, 0.3398

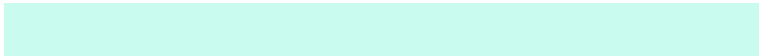


# Rectangle

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



87.3736, 0.3215, 0.3635



87.3736, 0.2890, 0.3413



87.3736, 0.3030, 0.2971



87.3736, 0.3365, 0.3168

# Sweetspot

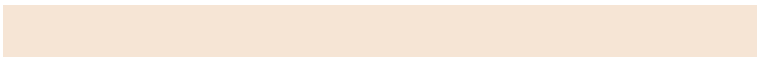
The Sweet Spot groups the original color and five complimentary colors.



87.3774, 0.3215, 0.3635



98.3792, 0.3153, 0.3389



80.7025, 0.3351, 0.3460



20.9934, 0.3158, 0.3408



0.0000, 0.0000, 0.0000

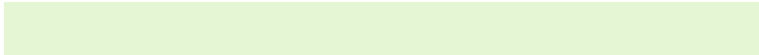


21.4041, 0.3127, 0.3290

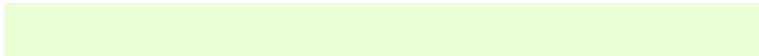


# Same Dimension

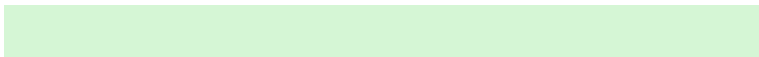
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3774, 0.3215, 0.3635



93.8812, 0.3232, 0.3706



84.8574, 0.3110, 0.3646



18.8671, 0.3189, 0.3529



37.3765, 0.3347, 0.5725



3.3459, 0.3442, 0.5649



# Inverse Universe

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



71.0385, 0.3029, 0.2946



73.1071, 0.3007, 0.2875



73.8172, 0.3143, 0.2958



16.3457, 0.3060, 0.3051



6.0230, 0.2051, 0.0903

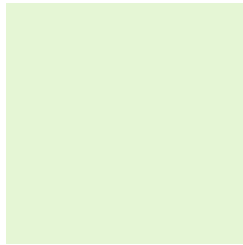


0.5905, 0.2184, 0.0977



# Previews

## White Background



This preview shows how the Yxy color 87.3736, 0.3215, 0.3635 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 87.3736, 0.3215, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

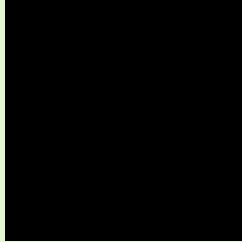
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

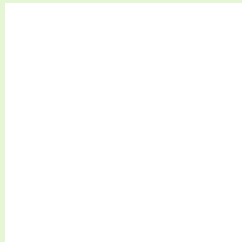
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.3736, 0.3215, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.3736, 0.3215, 0.3635.

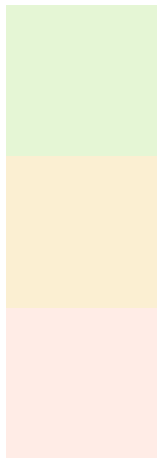


This preview shows how white text looks on a background with the Yxy color 87.3736, 0.3215, 0.3635.

# 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

87.3736, 0.3215, 0.3635

### Protanopia

86.8954, 0.3392, 0.3582

### Deuteranopia

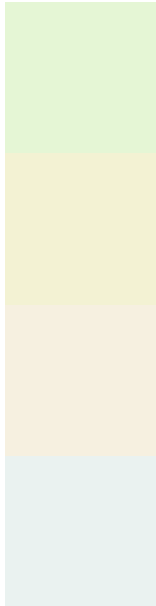
86.9641, 0.3294, 0.3350



## Tritanopia

87.5447, 0.3018, 0.3141

# Trichromacy



**Original Color**

87.3736, 0.3215, 0.3635

**Protanomaly**

87.2621, 0.3326, 0.3606

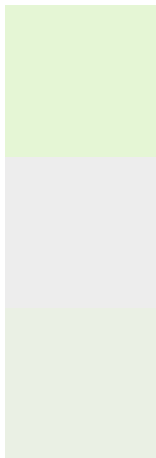
**Deuteranomaly**

87.2948, 0.3267, 0.3451

**Tritanomaly**

87.2880, 0.3087, 0.3310

# Monochromacy



**Original Color**

87.3736, 0.3215, 0.3635

**Achromatopsia**

84.6873, 0.3127, 0.3290

**Achromatomaly**

85.4140, 0.3161, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.3736, 0.3215, 0.3635 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(229, 246, 213)` looks like.

```
.text, #text, p{  
    color:rgb(229, 246, 213)  
}
```

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(229, 246, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 246, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 87.3736, 0.3215, 0.3635 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(229, 246, 213) }
```

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

```
.border{ border-color:rgb(229, 246, 213) }
```

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

Here you see how a box with a 4 pixel rgb(229, 246, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 246, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 246, 213);  
box-shadow:4px 4px 4px 4px rgb(229, 246,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.3736, 0.3215, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 246, 213) }
```

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

```
.background{ background-color: rgb(229,  
246, 213) }
```

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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