

# Converting Colors

Yxy(85.6614, 0.3249, 0.3613)

Have a look what the booklet for  
Yxy(85.6614, 0.3249, 0.3613)  
contains.

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# Color

**Yxy(85.3632, 0.3251, 0.3614)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8F2D3
RGB	232, 242, 211
RGB Percent	91%, 95%, 83%
CMY	0.0902, 0.0510, 0.1726
CMYK	0.04, 0.00, 0.13, 0.05
HSL	79°, 54%, 89%
HSV	79°, 13%, 95%
XYZ	76.7891, 85.3632, 74.0492
YIQ	235.4760, 3.9910, -11.7610

# Conversions

## Conversions Part 2

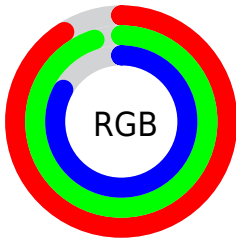
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 242, 221
Decimal	15266515
CIE <sub>Lab</sub>	94.04, -8.62, 13.84
CIE <sub>LCh</sub>	94, 16.310, 121.925
Yxy	85.3632, 0.3251, 0.3614
Android (android.graphics.Color)	4293456595 (0xFFE8F2D3)
YUV	235.4760, -12.0667, -3.0485
Hunter-Lab	92.3922, -13.3313, 17.1557

# Details

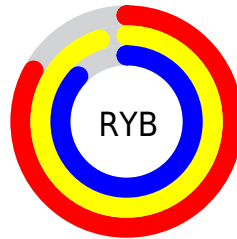
The Yxy color **85.3632, 0.3251, 0.3614** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.3642, 0.2992, 0.2959**, and the grayscale version is **83.5534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7482, 0.3278, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **82.9665, 0.3347, 0.3884**, and if you desaturate by 10%, it is **88.0080, 0.3154, 0.3359**.

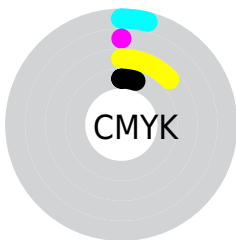
# Distribution



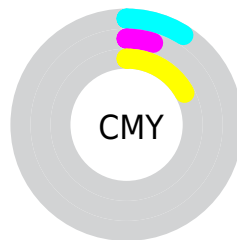
- Red (91%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (87%)



- Cyan (4%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)



- Cyan (9%)
- Magenta (5%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3632, 0.3251, 0.3614 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 85.3632, 0.3251, 0.3614 by changing the saturation by 10% instead.



85.3632, 0.3251,  
0.3614

85.3632, 0.3251,  
0.3614

512.8291, 0.3196,  
0.3466

64.1415, 0.3263,  
0.3647

140.8805, 0.3233,  
0.3563

46.7653, 0.3277,  
0.3688

175.9449, 0.3225,  
0.3543

32.8502, 0.3295,  
0.3740

216.3924, 0.3219,  
0.3526

22.0117, 0.3317,  
0.3807

262.6073, 0.3213,  
0.3511

13.8655, 0.3345,  
0.3897

314.9740, 0.3208,  
0.3498

8.0272, 0.3384,  
0.4024

373.8770, 0.3204,

4.1123, 0.3437,

0.3486

0.4217

439.7005, 0.3200,  
0.3475

■ 1.7366, 0.3529,  
0.4566

■ 0.4472, 0.3242,  
0.6758

■ 85.3632, 0.3251,  
0.3614

■ 85.3632, 0.3251,  
0.3614

■ 82.9665, 0.3347,  
0.3884

■ 88.0080, 0.3154,  
0.3359

■ 80.7979, 0.3440,  
0.4163

■ 90.6121, 0.3085,  
0.3164

■ 78.8515, 0.3524,  
0.4442

■ 91.9872, 0.3133,  
0.3165

■ 77.1171, 0.3594,  
0.4710

■ 75.5835, 0.3645,  
0.4956

■ 74.2380, 0.3674,  
0.5166

■ 73.0663, 0.3677,  
0.5331

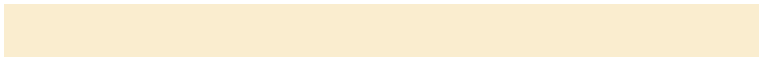
■ 72.0511, 0.3654,  
0.5446

■ 71.4000, 0.3627,  
0.5502

# Harmonies

## Analogous

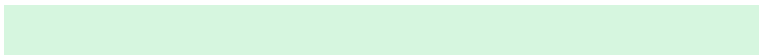
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3632, 0.3409, 0.3599



85.3632, 0.3251, 0.3614



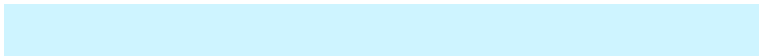
85.3632, 0.3064, 0.3535

# Triad

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



85.3632, 0.3251, 0.3614



85.3632, 0.2775, 0.3067



85.3632, 0.3359, 0.3194

# Complementary

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



85.3632, 0.3251, 0.3614



68.3642, 0.2992, 0.2959

# Split Complementary

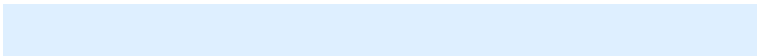
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3632, 0.3183, 0.3062



85.3632, 0.3251, 0.3614



85.3632, 0.2849, 0.2987

# Square

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



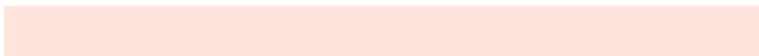
85.3632, 0.3251, 0.3614



85.3632, 0.2793, 0.3211



85.3632, 0.2996, 0.2987



85.3632, 0.3473, 0.3352

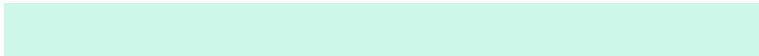


# Rectangle

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



85.3632, 0.3251, 0.3614



85.3632, 0.2947, 0.3441



85.3632, 0.2996, 0.2987



85.3632, 0.3305, 0.3145

# Sweetspot

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



85.3669, 0.3251, 0.3614



98.7421, 0.3166, 0.3388



75.1938, 0.3348, 0.3393



21.0853, 0.3173, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

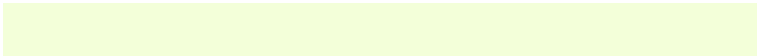


# Same Dimension

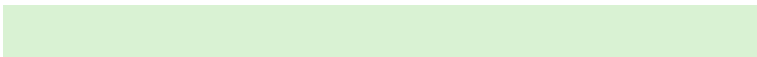
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3669, 0.3251, 0.3614



95.5130, 0.3273, 0.3673



82.9118, 0.3149, 0.3624



18.1888, 0.3218, 0.3527



38.4317, 0.3636, 0.5495



3.2505, 0.3711, 0.5436



# Inverse Universe

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



68.3642, 0.2992, 0.2959



73.3879, 0.2966, 0.2897



70.8817, 0.3101, 0.2970



15.4760, 0.3030, 0.3049



4.3792, 0.1731, 0.0727

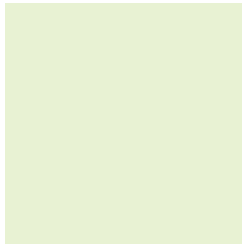


0.4159, 0.1872, 0.0805



# Previews

## White Background



This preview shows how the Yxy color 85.3632, 0.3251, 0.3614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

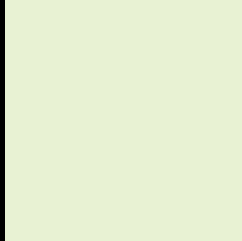
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.3632, 0.3251, 0.3614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

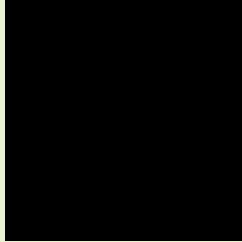
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

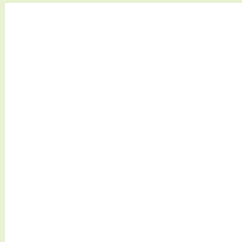
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.3632, 0.3251, 0.3614**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3632, 0.3251, 0.3614.

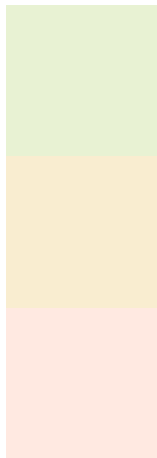


This preview shows how white text looks on a background with the Yxy color 85.3632, 0.3251, 0.3614.

# 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

85.3632, 0.3251, 0.3614

### Protanopia

85.2622, 0.3394, 0.3584

### Deuteranopia

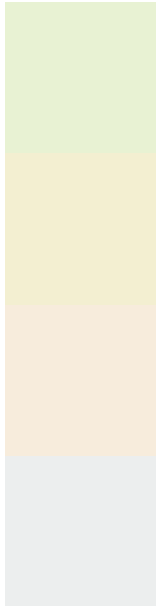
84.9741, 0.3330, 0.3370



## Tritanopia

85.3238, 0.3031, 0.3110

# Trichromacy



## Original Color

85.3632, 0.3251, 0.3614

## Protanomaly

85.3911, 0.3343, 0.3598

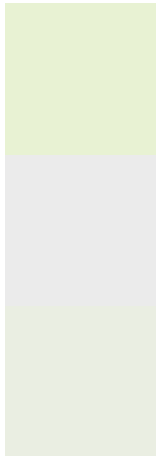
## Deuteranomaly

84.9324, 0.3303, 0.3452

## Tritanomaly

85.1550, 0.3114, 0.3290

# Monochromacy



## Original Color

85.3632, 0.3251, 0.3614

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

84.1325, 0.3175, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3632, 0.3251, 0.3614 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(232, 242, 211)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 211)  
}
```

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(232, 242, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3632, 0.3251, 0.3614 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(232, 242, 211) }
```

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

```
.border{ border-color:rgb(232, 242, 211) }
```

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

Here you see how a box with a 4 pixel rgb(232, 242, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 211);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3632, 0.3251, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 211) }
```

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

```
.background{ background-color: rgb(232,  
242, 211) }
```

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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