

# Converting Colors

$Yxy(88.0590, 0.3203, 0.3535)$

Have a look what the booklet for  
Yxy(88.0590, 0.3203, 0.3535)  
contains.

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# Color

**Yxy(88.1874, 0.3207, 0.3536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF5DD
RGB	235, 245, 221
RGB Percent	92%, 96%, 87%
CMY	0.0782, 0.0393, 0.1332
CMYK	0.04, 0.00, 0.10, 0.04
HSL	85°, 54%, 91%
HSV	85°, 10%, 96%
XYZ	79.9822, 88.1874, 81.2292
YIQ	239.2740, 1.7440, -9.5840

# Conversions

## Conversions Part 2

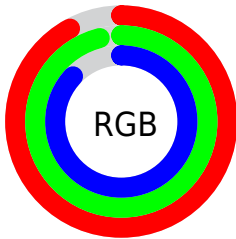
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 245, 231
Decimal	15463901
CIE Lab	95.24, -7.43, 10.40
CIE LCh	95, 12.784, 125.542
Yxy	88.1874, 0.3207, 0.3536
Android (android.graphics.Color)	4293653981 (0xFFEBF5DD)
YUV	239.2740, -9.0091, -3.7483
Hunter-Lab	93.9081, -12.3096, 14.4507

# Details

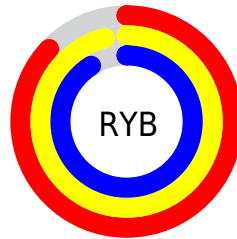
The Yxy color **88.1874, 0.3207, 0.3536** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.2981, 0.3041, 0.3042**, and the grayscale version is **86.6219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7321, 0.3221, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **85.3004, 0.3288, 0.3806**, and if you desaturate by 10%, it is **91.3711, 0.3125, 0.3285**.

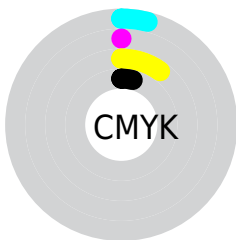
# Distribution



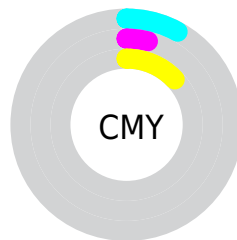
- Red (92%)
- Green (96%)
- Blue (87%)



- Red (87%)
- Yellow (96%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (8%)
- Magenta (4%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1874, 0.3207, 0.3536 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 88.1874, 0.3207, 0.3536 by changing the saturation by 10% instead.



 88.1874, 0.3207,  
0.3536

 88.1874, 0.3207,  
0.3536


522.1167, 0.3172,  
0.3425

 66.4783, 0.3215,  
0.3561


144.8180, 0.3195,  
0.3498

 48.6608, 0.3224,  
0.3591


180.5083, 0.3191,  
0.3483

 34.3505, 0.3235,  
0.3630


221.6278, 0.3186,  
0.3470

 23.1630, 0.3249,  
0.3679

268.5609, 0.3183,  
0.3459

 14.7139, 0.3267,  
0.3745

321.6919, 0.3180,  
0.3449

 8.6188, 0.3292,  
0.3838

381.4053, 0.3177,

 4.4934, 0.3327,

0.3440

0.3978

448.0854, 0.3174,  
0.3432

■ 1.9532, 0.3377,  
0.4213

■ 0.5801, 0.3894,  
0.6106

■ 88.1874, 0.3207,  
0.3536

■ 88.1874, 0.3207,  
0.3536

■ 85.3004, 0.3288,  
0.3806

■ 91.3711, 0.3125,  
0.3285

■ 82.6887, 0.3366,  
0.4090

■ 93.7765, 0.3132,  
0.3194

■ 80.3459, 0.3437,  
0.4381

■ 78.2605, 0.3496,  
0.4669

■ 76.4203, 0.3538,  
0.4940

■ 74.8119, 0.3558,  
0.5180

■ 73.4201, 0.3555,  
0.5377

■ 72.2270, 0.3527,  
0.5522

■ 71.2048, 0.3480,  
0.5618

# Harmonies

## Analogous

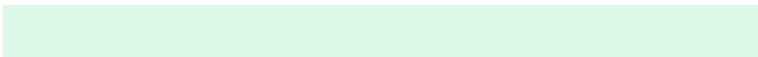
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1874, 0.3333, 0.3534



88.1874, 0.3207, 0.3536



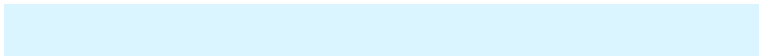
88.1874, 0.3061, 0.3467

# Triad

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



88.1874, 0.3207, 0.3536



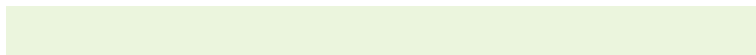
88.1874, 0.2856, 0.3107



88.1874, 0.3321, 0.3230

# Complementary

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



88.1874, 0.3207, 0.3536



75.2981, 0.3041, 0.3042

# Split Complementary

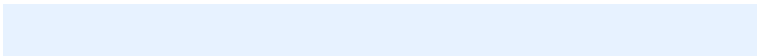
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.1874, 0.3189, 0.3122



88.1874, 0.3207, 0.3536



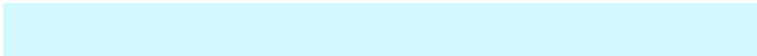
88.1874, 0.2922, 0.3051

# Square

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



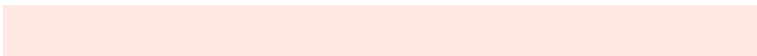
88.1874, 0.3207, 0.3536



88.1874, 0.2861, 0.3215



88.1874, 0.3043, 0.3057



88.1874, 0.3401, 0.3355

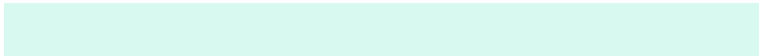


# Rectangle

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



88.1874, 0.3207, 0.3536



88.1874, 0.2973, 0.3391



88.1874, 0.3043, 0.3057



88.1874, 0.3281, 0.3191

# Sweetspot

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



88.1912, 0.3207, 0.3536



98.9211, 0.3152, 0.3364



81.5653, 0.3289, 0.3388



21.1125, 0.3158, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

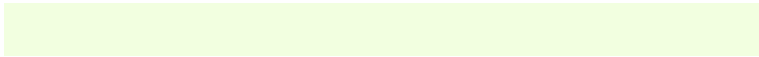


# Same Dimension

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



88.1912, 0.3207, 0.3536



95.8589, 0.3225, 0.3595



86.2732, 0.3131, 0.3542



18.9517, 0.3205, 0.3528



38.4361, 0.3490, 0.5611



3.4383, 0.3575, 0.5543



# Inverse Universe

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



75.2981, 0.3041, 0.3042



78.7635, 0.3020, 0.2982



77.2997, 0.3122, 0.3048



16.2619, 0.3044, 0.3050



5.1330, 0.1867, 0.0802

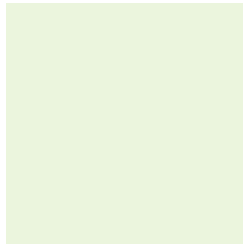


0.5099, 0.2006, 0.0879



# Previews

## White Background



This preview shows how the Yxy color 88.1874, 0.3207, 0.3536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

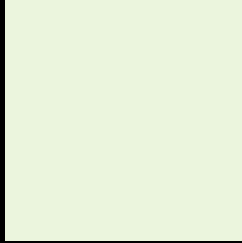
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.1874, 0.3207, 0.3536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

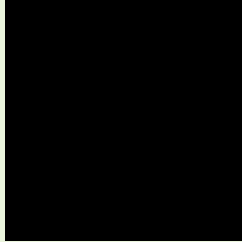
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

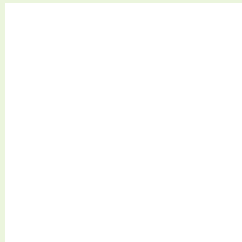
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.1874, 0.3207, 0.3536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.1874, 0.3207, 0.3536.

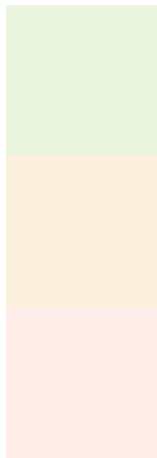


This preview shows how white text looks on a background with the Yxy color 88.1874, 0.3207, 0.3536.

# 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

88.1874, 0.3207, 0.3536

### Protanopia

87.9439, 0.3332, 0.3500

### Deuteranopia

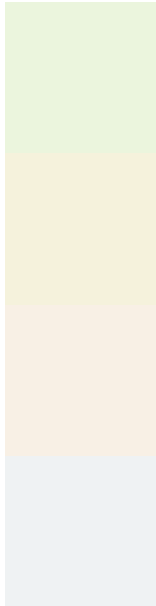
87.7116, 0.3274, 0.3330



## Tritanopia

88.2409, 0.3044, 0.3142

# Trichromacy



## Original Color

88.1874, 0.3207, 0.3536

## Protanomaly

88.0840, 0.3283, 0.3512

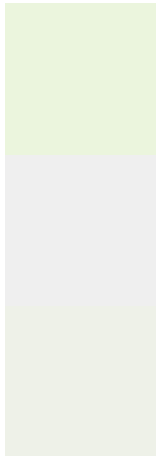
## Deuteranomaly

87.9338, 0.3249, 0.3400

## Tritanomaly

88.3260, 0.3102, 0.3280

# Monochromacy



## Original Color

88.1874, 0.3207, 0.3536

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.9139, 0.3162, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.1874, 0.3207, 0.3536 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(235, 245, 221)` looks like.

```
.text, #text, p{  
    color:rgb(235, 245, 221)  
}
```

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(235, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 245, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 88.1874, 0.3207, 0.3536 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(235, 245, 221) }
```

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

```
.border{ border-color:rgb(235, 245, 221) }
```

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

Here you see how a box with a 4 pixel rgb(235, 245, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(235, 245,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.1874, 0.3207, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 245, 221) }
```

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

```
.background{ background-color: rgb(235,  
245, 221) }
```

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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