

# Converting Colors

$Yxy(88.0761, 0.3267, 0.3577)$

Have a look what the booklet for  
Yxy(88.0761, 0.3267, 0.3577)  
contains.

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# Color

**Yxy(88.0100, 0.3265, 0.3577)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFF4D8
RGB	239, 244, 216
RGB Percent	94%, 96%, 85%
CMY	0.0628, 0.0431, 0.1530
CMYK	0.02, 0.00, 0.11, 0.04
HSL	71°, 56%, 90%
HSV	71°, 11%, 96%
XYZ	80.3334, 88.0100, 77.7007
YIQ	239.3130, 6.0080, -9.7680

# Conversions

## Conversions Part 2

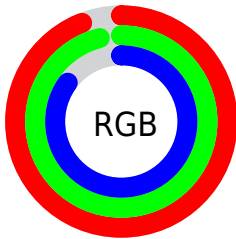
Format	Color
R <sub>Y</sub> B	216, 244, 221
Decimal	15725784
CIE Lab	95.17, -6.42, 12.94
CIE LCh	95, 14.444, 116.389
Yxy	88.0100, 0.3265, 0.3577
Android (android.graphics.Color)	4293915864 (0xFFEFF4D8)
YUV	239.3130, -11.4933, -0.2745
Hunter-Lab	93.8136, -11.3228, 16.5629

# Details

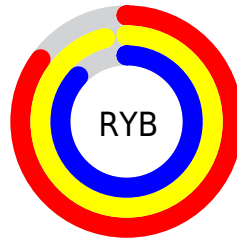
The Yxy color **88.0100, 0.3265, 0.3577** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.0051, 0.2980, 0.2992**, and the grayscale version is **86.6596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6069, 0.3296, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **86.0906, 0.3386, 0.3839**, and if you desaturate by 10%, it is **90.1430, 0.3145, 0.3326**.

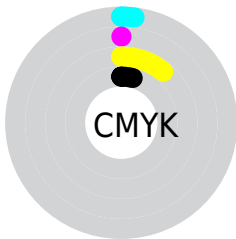
# Distribution



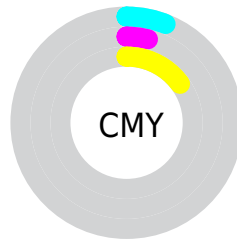
- Red (94%)
- Green (96%)
- Blue (85%)



- Red (85%)
- Yellow (96%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0100, 0.3265, 0.3577 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 88.0100, 0.3265, 0.3577 by changing the saturation by 10% instead.




 88.0100, 0.3265,  
0.3577

 88.0100, 0.3265,  
0.3577


521.5360, 0.3204,  
0.3447

 66.3314, 0.3278,  
0.3606

144.5711, 0.3244,  
0.3532

 48.5414, 0.3294,  
0.3642


180.2223, 0.3236,  
0.3515

 34.2559, 0.3314,  
0.3686


221.2998, 0.3229,  
0.3500

 23.0902, 0.3339,  
0.3743

268.1881, 0.3223,  
0.3487

 14.6601, 0.3372,  
0.3820

321.2714, 0.3217,  
0.3475

 8.5812, 0.3416,  
0.3927

380.9342, 0.3213,

 4.4690, 0.3479,

0.3465

0.4088

447.5610, 0.3208,  
0.3455

■ 1.9392, 0.3573,  
0.4354

■ 0.5718, 0.4035,  
0.5965

■ 88.0100, 0.3265,  
0.3577

■ 88.0100, 0.3265,  
0.3577

■ 86.0906, 0.3386,  
0.3839

■ 90.1430, 0.3145,  
0.3326

■ 84.3648, 0.3505,  
0.4105

■ 91.8401, 0.3086,  
0.3183

■ 82.8277, 0.3617,  
0.4366

■ 92.6496, 0.3114,  
0.3184

■ 81.4694, 0.3715,  
0.4613

■ 93.1904, 0.3132,  
0.3185

■ 80.2793, 0.3795,  
0.4835

■ 79.2454, 0.3851,  
0.5020

■ 78.3541, 0.3882,  
0.5162

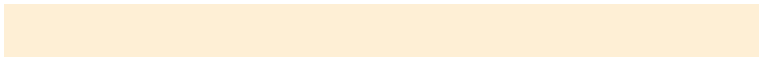
■ 77.5888, 0.3886,  
0.5256

■ 77.0151, 0.3874,  
0.5306

# Harmonies

## Analogous

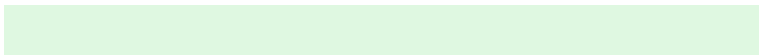
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0100, 0.3393, 0.3550



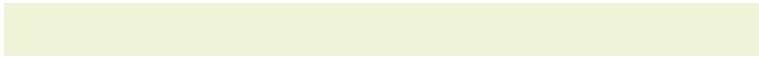
88.0100, 0.3265, 0.3577



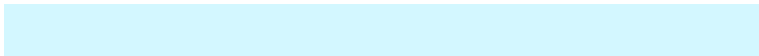
88.0100, 0.3102, 0.3523

# Triad

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



88.0100, 0.3265, 0.3577



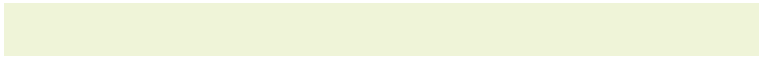
88.0100, 0.2815, 0.3115



88.0100, 0.3305, 0.3181

# Complementary

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



88.0100, 0.3265, 0.3577



71.0051, 0.2980, 0.2992

# Split Complementary

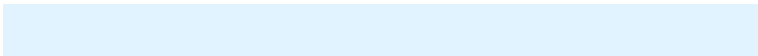
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0100, 0.3146, 0.3072



88.0100, 0.3265, 0.3577



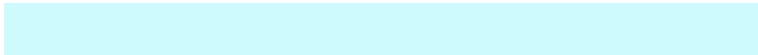
88.0100, 0.2865, 0.3032

# Square

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



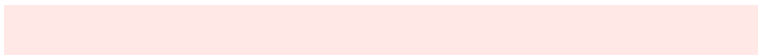
88.0100, 0.3265, 0.3577



88.0100, 0.2845, 0.3249



88.0100, 0.2985, 0.3018



88.0100, 0.3418, 0.3319

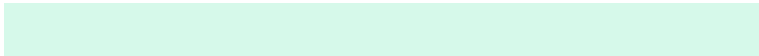


# Rectangle

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



88.0100, 0.3265, 0.3577



88.0100, 0.2996, 0.3447



88.0100, 0.2985, 0.3018



88.0100, 0.3255, 0.3140

# Sweetspot

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



88.0138, 0.3265, 0.3577



99.2573, 0.3163, 0.3363



75.7195, 0.3328, 0.3339



21.2034, 0.3172, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

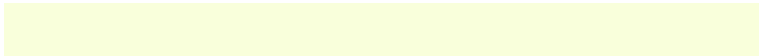


# Same Dimension

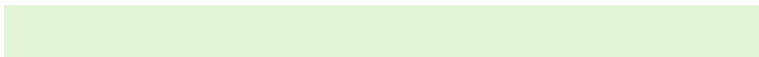
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0138, 0.3265, 0.3577



96.7143, 0.3296, 0.3643



85.7261, 0.3174, 0.3585



19.1543, 0.3241, 0.3526



41.9255, 0.3879, 0.5302



3.7233, 0.3921, 0.5269



# Inverse Universe

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



71.0051, 0.2980, 0.2992



74.1620, 0.2944, 0.2921



73.2369, 0.3074, 0.3001



16.0698, 0.3007, 0.3047



3.8821, 0.1582, 0.0645

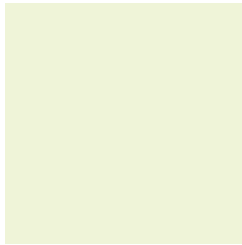


0.3802, 0.1687, 0.0703



# Previews

## White Background



This preview shows how the Yxy color 88.0100, 0.3265, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

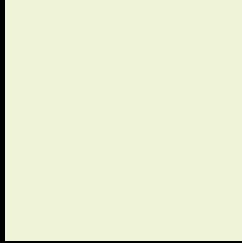
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0100, 0.3265, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

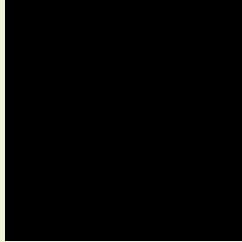
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

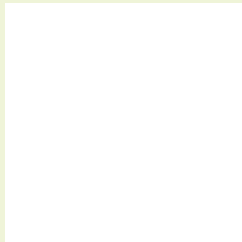
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0100, 0.3265, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0100, 0.3265, 0.3577.

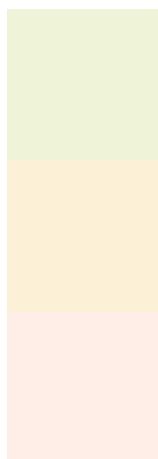


This preview shows how white text looks on a background with the Yxy color 88.0100, 0.3265, 0.3577.

# 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

88.0100, 0.3265, 0.3577

### Protanopia

87.8707, 0.3371, 0.3550

### Deuteranopia

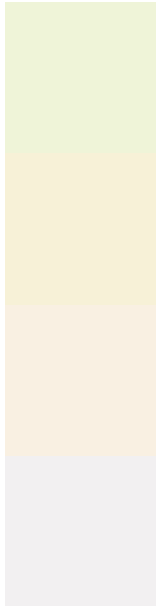
87.6546, 0.3280, 0.3340



## Tritanopia

87.6022, 0.3063, 0.3123

# Trichromacy



**Original Color**

88.0100, 0.3265, 0.3577

**Protanomaly**

87.5910, 0.3329, 0.3553

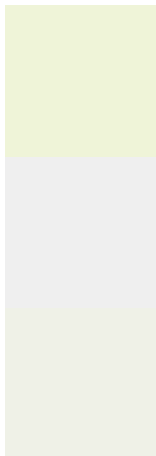
**Deuteranomaly**

87.9509, 0.3274, 0.3430

**Tritanomaly**

87.5483, 0.3134, 0.3280

# Monochromacy



**Original Color**

88.0100, 0.3265, 0.3577

**Achromatopsia**

86.3157, 0.3127, 0.3290

**Achromatomaly**

87.0308, 0.3175, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0100, 0.3265, 0.3577 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(239, 244, 216)` looks like.

```
.text, #text, p{  
    color:rgb(239, 244, 216)  
}
```

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(239, 244, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 244, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0100, 0.3265, 0.3577 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(239, 244, 216) }
```

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

```
.border{ border-color:rgb(239, 244, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 244, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 244, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 244, 216);  
box-shadow:4px 4px 4px 4px rgb(239, 244,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0100, 0.3265, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 244, 216) }
```

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

```
.background{ background-color: rgb(239,  
244, 216) }
```

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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