

# Converting Colors

$Yxy(88.3726, 0.3168, 0.3411)$

Have a look what the booklet for  
Yxy(88.3726, 0.3168, 0.3411)  
contains.

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# Color

**Yxy(88.2214, 0.3174, 0.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF3E7
RGB	239, 243, 231
RGB Percent	94%, 95%, 91%
CMY	0.0627, 0.0470, 0.0943
CMYK	0.02, 0.00, 0.05, 0.05
HSL	80°, 33%, 93%
HSV	80°, 5%, 95%
XYZ	82.0676, 88.2214, 88.2731
YIQ	240.4360, 1.4680, -4.5800

# Conversions

## Conversions Part 2

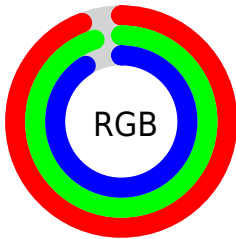
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	231, 243, 235
Decimal	15725543
CIE Lab	95.25, -3.43, 5.33
CIE LCh	95, 6.335, 122.736
Yxy	88.2214, 0.3174, 0.3412
Android (android.graphics.Color)	4293915623 (0xFFEFF3E7)
YUV	240.4360, -4.6519, -1.2594
Hunter-Lab	93.9262, -8.4074, 10.0269

# Details

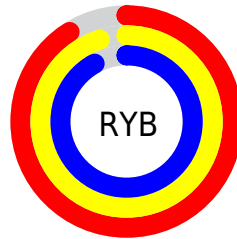
The Yxy color **88.2214, 0.3174, 0.3412** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.2563, 0.3079, 0.3167**, and the grayscale version is **87.5344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7031, 0.3187, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **85.5728, 0.3269, 0.3671**, and if you desaturate by 10%, it is **91.1142, 0.3082, 0.3173**.

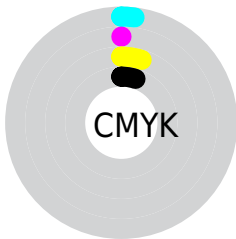
# Distribution



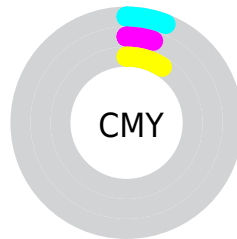
- Red (94%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2214, 0.3174, 0.3412 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 88.2214, 0.3174, 0.3412 by changing the saturation by 10% instead.



88.2214, 0.3174,  
0.3412

88.2214, 0.3174,  
0.3412

522.2280, 0.3153,  
0.3357

66.5064, 0.3179,  
0.3424

144.8654, 0.3167,  
0.3393

48.6836, 0.3184,  
0.3439

180.5631, 0.3164,  
0.3386

34.3686, 0.3191,  
0.3458

221.6907, 0.3162,  
0.3380

23.1769, 0.3200,  
0.3482

268.6323, 0.3160,  
0.3374

14.7242, 0.3211,  
0.3514

321.7725, 0.3158,  
0.3369

8.6260, 0.3227,  
0.3558

381.4955, 0.3156,

4.4981, 0.3250,

0.3365

448.1859, 0.3155,  
0.3361

0.3625

■ 1.9559, 0.3287,  
0.3736

■ 0.5817, 0.3577,  
0.4434

■ 88.2214, 0.3174,  
0.3412

■ 88.2214, 0.3174,  
0.3412

■ 85.5728, 0.3269,  
0.3671

■ 91.1142, 0.3082,  
0.3173

■ 83.1651, 0.3364,  
0.3944

■ 92.5860, 0.3133,  
0.3175

■ 80.9930, 0.3453,  
0.4225

■ 79.0466, 0.3533,  
0.4504

■ 77.3153, 0.3597,  
0.4771

■ 75.7873, 0.3642,  
0.5012

■ 74.4495, 0.3664,  
0.5215

■ 73.2869, 0.3660,  
0.5371

■ 72.2810, 0.3631,  
0.5476

# Harmonies

## Analogous

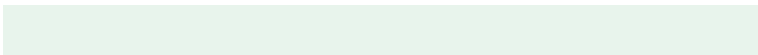
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2214, 0.3234, 0.3409



88.2214, 0.3174, 0.3412



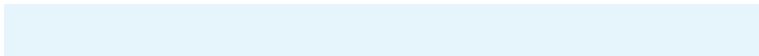
88.2214, 0.3102, 0.3381

# Triad

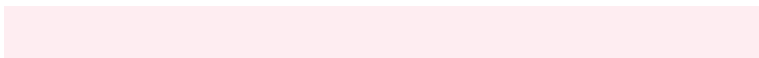
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2214, 0.3174, 0.3412



88.2214, 0.2991, 0.3204



88.2214, 0.3218, 0.3255

# Complementary

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



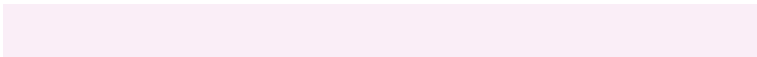
88.2214, 0.3174, 0.3412



81.2563, 0.3079, 0.3167

# Split Complementary

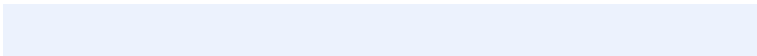
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2214, 0.3152, 0.3202



88.2214, 0.3174, 0.3412



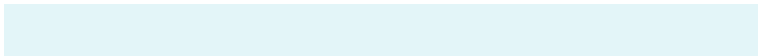
88.2214, 0.3021, 0.3172

# Square

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



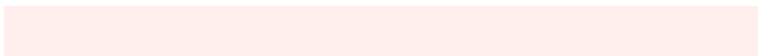
88.2214, 0.3174, 0.3412



88.2214, 0.2997, 0.3260



88.2214, 0.3079, 0.3171



88.2214, 0.3260, 0.3318



# Rectangle

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



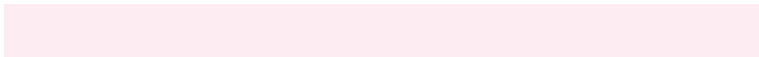
88.2214, 0.3174, 0.3412



88.2214, 0.3057, 0.3346



88.2214, 0.3079, 0.3171



88.2214, 0.3198, 0.3235

# Sweetspot

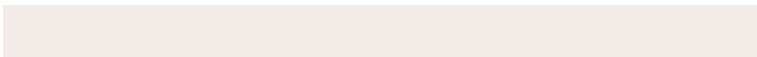
The Sweet Spot groups the original color and five complimentary colors.



88.2252, 0.3174, 0.3412



99.6766, 0.3137, 0.3314



84.1113, 0.3207, 0.3329



21.3383, 0.3136, 0.3313



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.



88.2252, 0.3174, 0.3412



98.1025, 0.3184, 0.3439



87.2253, 0.3136, 0.3413



19.1899, 0.3190, 0.3455



39.4909, 0.3620, 0.5508



3.5268, 0.3692, 0.5450



# Inverse Universe

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



81.2563, 0.3079, 0.3167



88.7368, 0.3068, 0.3140



82.2662, 0.3118, 0.3169



17.1714, 0.3061, 0.3124



4.5698, 0.1743, 0.0734

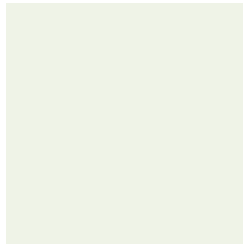


0.4554, 0.1878, 0.0808



# Previews

## White Background



This preview shows how the Yxy color 88.2214, 0.3174, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

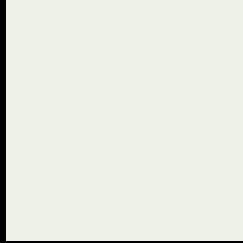
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2214, 0.3174, 0.3412 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

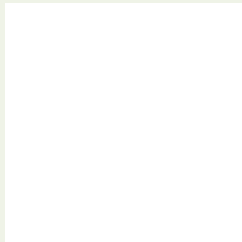
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.2214, 0.3174, 0.3412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2214, 0.3174, 0.3412.

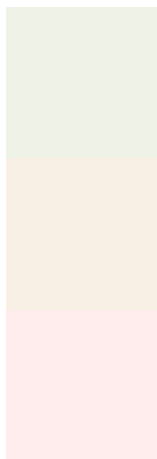


This preview shows how white text looks on a background with the Yxy color 88.2214, 0.3174, 0.3412.

# 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

88.2214, 0.3174, 0.3412

### Protanopia

87.9338, 0.3249, 0.3400

### Deuteranopia

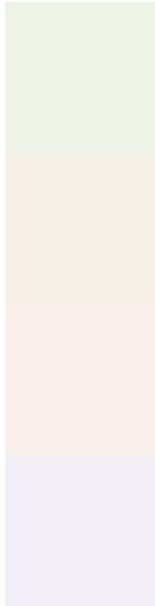
87.9428, 0.3248, 0.3290



## Tritanopia

88.0077, 0.3057, 0.3132

# Trichromacy



## Original Color

88.2214, 0.3174, 0.3412

## Protanomaly

88.0362, 0.3221, 0.3401

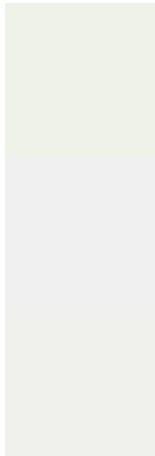
## Deuteranomaly

87.8709, 0.3218, 0.3330

## Tritanomaly

87.8512, 0.3104, 0.3230

# Monochromacy



## Original Color

88.2214, 0.3174, 0.3412

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.5503, 0.3145, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2214, 0.3174, 0.3412 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, 243, 231)` looks like.

```
.text, #text, p{  
    color:rgb(239, 243, 231)  
}
```

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, 243, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 243, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2214, 0.3174, 0.3412 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, 243, 231) }
```

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

```
.border{ border-color:rgb(239, 243, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 243, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 243, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 243, 231);  
box-shadow:4px 4px 4px 4px rgb(239, 243,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2214, 0.3174, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 243, 231) }
```

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

```
.background{ background-color: rgb(239,  
243, 231) }
```

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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