

# Converting Colors

Yxy(88.5062, 0.3191, 0.3410)

Have a look what the booklet for  
Yxy(88.5062, 0.3191, 0.3410)  
contains.

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# Color

**Yxy(88.5715, 0.3187, 0.3411)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1F3E7
RGB	241, 243, 231
RGB Percent	95%, 95%, 91%
CMY	0.0548, 0.0471, 0.0941
CMYK	0.01, 0.00, 0.05, 0.05
HSL	70°, 33%, 93%
HSV	70°, 5%, 95%
XYZ	82.7550, 88.5715, 88.3378
YIQ	241.0340, 2.6600, -4.1560

# Conversions

## Conversions Part 2

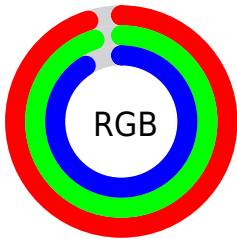
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 243, 233
Decimal	15856615
CIE Lab	95.40, -2.73, 5.54
CIE LCh	95, 6.174, 116.277
Yxy	88.5715, 0.3187, 0.3411
Android (android.graphics.Color)	4294046695 (0xFFFF1F3E7)
YUV	241.0340, -4.9468, -0.0298
Hunter-Lab	94.1124, -7.7380, 10.2267

# Details

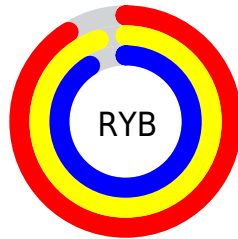
The Yxy color **88.5715, 0.3187, 0.3411** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.9467, 0.3066, 0.3167**, and the grayscale version is **88.0339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9501, 0.3204, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **86.5977, 0.3310, 0.3666**, and if you desaturate by 10%, it is **90.7395, 0.3069, 0.3173**.

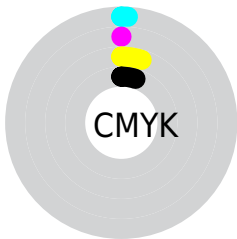
# Distribution



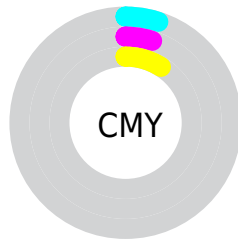
- Red (95%)
- Green (95%)
- Blue (91%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5715, 0.3187, 0.3411 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 88.5715, 0.3187, 0.3411 by changing the saturation by 10% instead.




 88.5715, 0.3187,  
0.3411

 88.5715, 0.3187,  
0.3411


523.3730, 0.3160,  
0.3357

 66.7965, 0.3193,  
0.3423


145.3525, 0.3178,  
0.3392

 48.9192, 0.3200,  
0.3438


181.1273, 0.3174,  
0.3385

 34.5554, 0.3209,  
0.3456

222.3375, 0.3171,  
0.3379

 23.3206, 0.3220,  
0.3480

269.3675, 0.3169,  
0.3373

 14.8304, 0.3235,  
0.3511

322.6016, 0.3166,  
0.3368

 8.7005, 0.3255,  
0.3555

382.4243, 0.3164,

 4.5463, 0.3285,

0.3364

0.3620

449.2200, 0.3162,  
0.3360

■ 1.9836, 0.3334,  
0.3729

■ 0.5979, 0.3679,  
0.4385

■ 88.5715, 0.3187,  
0.3411

■ 88.5715, 0.3187,  
0.3411

■ 86.5977, 0.3310,  
0.3666

■ 90.7395, 0.3069,  
0.3173

■ 84.8184, 0.3434,  
0.3929

■ 91.4691, 0.3094,  
0.3174

■ 83.2289, 0.3553,  
0.4193

■ 92.2144, 0.3120,  
0.3175

■ 81.8201, 0.3664,  
0.4449

■ 92.5813, 0.3133,  
0.3175

■ 80.5822, 0.3759,  
0.4685

■ 79.5042, 0.3834,  
0.4893

■ 78.5738, 0.3884,  
0.5060

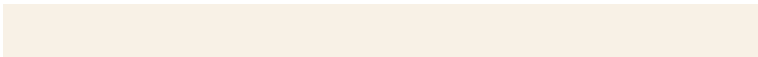
■ 77.7767, 0.3908,  
0.5183

■ 77.0953, 0.3907,  
0.5259

# Harmonies

## Analogous

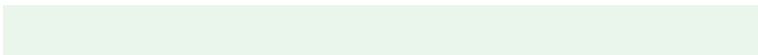
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5715, 0.3241, 0.3401



88.5715, 0.3187, 0.3411



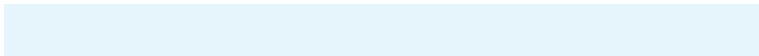
88.5715, 0.3118, 0.3388

# Triad

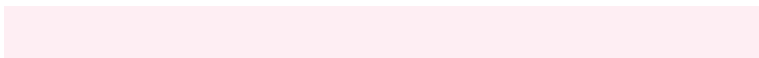
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5715, 0.3187, 0.3411



88.5715, 0.2992, 0.3217



88.5715, 0.3203, 0.3243

# Complementary

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



88.5715, 0.3187, 0.3411



80.9467, 0.3066, 0.3167

# Split Complementary

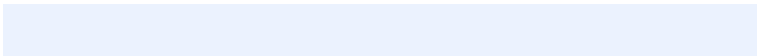
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5715, 0.3136, 0.3195



88.5715, 0.3187, 0.3411



88.5715, 0.3014, 0.3180

# Square

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



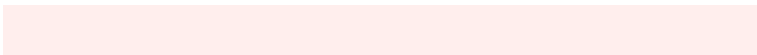
88.5715, 0.3187, 0.3411



88.5715, 0.3006, 0.3274



88.5715, 0.3067, 0.3172



88.5715, 0.3250, 0.3304

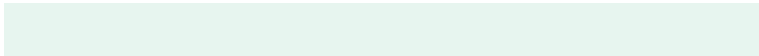


# Rectangle

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



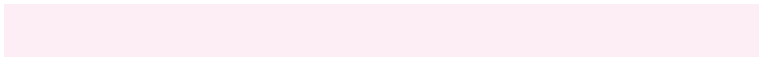
88.5715, 0.3187, 0.3411



88.5715, 0.3072, 0.3356



88.5715, 0.3067, 0.3172



88.5715, 0.3182, 0.3225

# Sweetspot

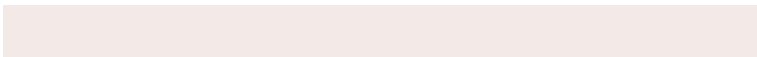
The Sweet Spot groups the original color and five complimentary colors.



88.5753, 0.3187, 0.3411



99.7571, 0.3139, 0.3314



82.9914, 0.3208, 0.3308



21.3547, 0.3139, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

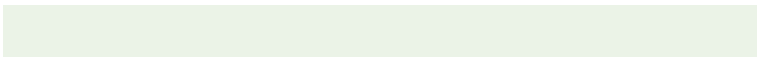
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5753, 0.3187, 0.3411



98.5775, 0.3200, 0.3438



87.5678, 0.3149, 0.3412



19.2925, 0.3208, 0.3454



42.1909, 0.3904, 0.5282



3.7442, 0.3943, 0.5251



# Inverse Universe

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



80.9467, 0.3066, 0.3167



88.2810, 0.3052, 0.3139



81.9418, 0.3105, 0.3169



17.0734, 0.3043, 0.3123



3.8387, 0.1571, 0.0639

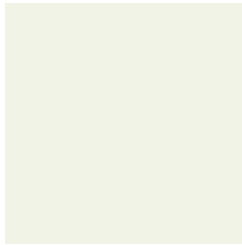


0.3746, 0.1672, 0.0695



# Previews

## White Background



This preview shows how the Yxy color 88.5715, 0.3187, 0.3411 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

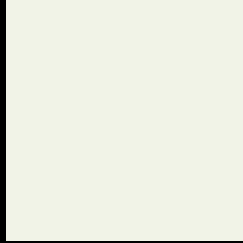
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5715, 0.3187, 0.3411 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

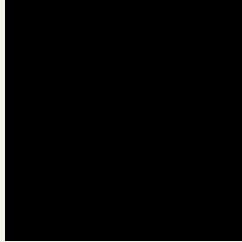
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

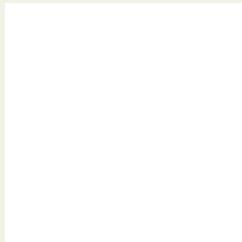
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5715, 0.3187, 0.3411**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5715, 0.3187, 0.3411.

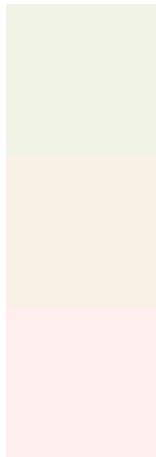


This preview shows how white text looks on a background with the Yxy color 88.5715, 0.3187, 0.3411.

# 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

88.5715, 0.3187, 0.3411

### Protanopia

88.7635, 0.3248, 0.3400

### Deuteranopia

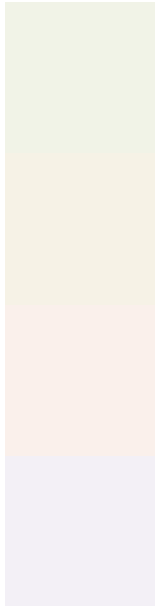
88.5235, 0.3247, 0.3300



## Tritanopia

88.1861, 0.3063, 0.3133

# Trichromacy



## Original Color

88.5715, 0.3187, 0.3411

## Protanomaly

88.8103, 0.3227, 0.3410

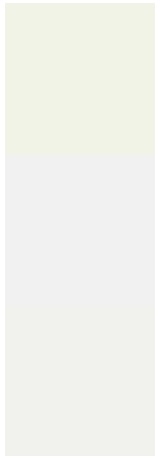
## Deuteranomaly

88.6423, 0.3224, 0.3340

## Tritanomaly

88.0287, 0.3110, 0.3230

# Monochromacy



## Original Color

88.5715, 0.3187, 0.3411

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.3195, 0.3151, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5715, 0.3187, 0.3411 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(241, 243, 231)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 243, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5715, 0.3187, 0.3411 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(241, 243, 231) }
```

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

```
.border{ border-color:rgb(241, 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(241, 243, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 231);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5715, 0.3187, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 231) }
```

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

```
.background{ background-color: rgb(241,  
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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