

# Converting Colors

Yxy(85.7142, 0.3189, 0.3146)

Have a look what the booklet for  
Yxy(85.7142, 0.3189, 0.3146)  
contains.

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# Color

**Yxy(85.6886, 0.3188, 0.3144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8F7
RGB	255, 232, 247
RGB Percent	100%, 91%, 97%
CMY	0.0000, 0.0902, 0.0313
CMYK	0.00, 0.09, 0.03, 0.00
HSL	321°, 100%, 95%
HSV	321°, 9%, 100%
XYZ	86.8878, 85.6886, 99.9700
YIQ	240.5870, 8.8930, 9.5410

# Conversions

## Conversions Part 2

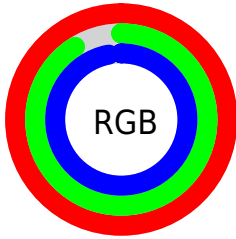
Format	Color
R <sub>Y</sub> B	255, 232, 247
Decimal	16771319
CIE Lab	94.18, 10.35, -4.42
CIE LCh	94, 11.258, 336.867
Yxy	85.6886, 0.3188, 0.3144
Android (android.graphics.Color)	4294961399 (0xFFFFE8F7)
YUV	240.5870, 3.1616, 12.6402
Hunter-Lab	92.5681, 5.5523, 0.7668

# Details

The Yxy color **85.6886, 0.3188, 0.3144** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9667, 0.3071, 0.3441**, and the grayscale version is **87.5936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8180, 0.3197, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **71.8284, 0.3267, 0.2975**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

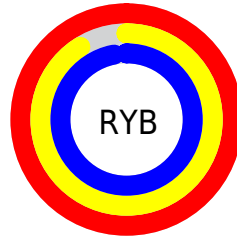
# Distribution



Red (100%)

Green (91%)

Blue (97%)



Red (100%)

Yellow (91%)

Blue (97%)

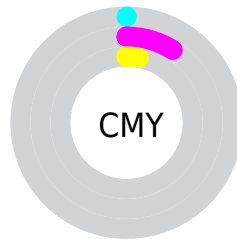


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6886, 0.3188, 0.3144 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 85.6886, 0.3188, 0.3144 by changing the saturation by 10% instead.



 85.6886, 0.3188,  
0.3144

 85.6886, 0.3188,  
0.3144


513.9039, 0.3161,  
0.3209

 64.4105, 0.3194,  
0.3130

141.3349, 0.3179,  
0.3166

 46.9832, 0.3201,  
0.3112


176.4718, 0.3175,  
0.3175

 33.0224, 0.3210,  
0.3091


216.9972, 0.3172,  
0.3182

 22.1436, 0.3221,  
0.3064

263.2953, 0.3169,  
0.3189

 13.9625, 0.3236,  
0.3028

315.7507, 0.3167,  
0.3195

 8.0946, 0.3257,  
0.2978

374.7476, 0.3165,

 4.1555, 0.3287,

0.3200

0.2905

440.6705, 0.3163,  
0.3205

■ 1.7609, 0.3334,  
0.2788

■ 0.4626, 0.3518,  
0.2351

■ 85.6886, 0.3188,  
0.3144

■ 85.6886, 0.3188,  
0.3144

■ 71.8284, 0.3267,  
0.2975

100.0000, 0.3127,  
0.3290

■ 59.9841, 0.3361,  
0.2802

■ 50.0629, 0.3469,  
0.2631

■ 41.9605, 0.3593,  
0.2469

■ 35.5632, 0.3731,  
0.2328

■ 30.7440, 0.3879,  
0.2218

■ 27.3582, 0.4034,  
0.2151

■ 25.2341, 0.4189,  
0.2135

■ 24.1182, 0.4340,  
0.2168

# Harmonies

## Analogous

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



85.6886, 0.3058, 0.3084



85.6886, 0.3188, 0.3144



85.6886, 0.3304, 0.3241

# Triad

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



85.6886, 0.3188, 0.3144



85.6886, 0.3307, 0.3509



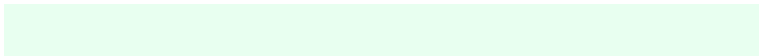
85.6886, 0.2889, 0.3219

# Complementary

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



85.6886, 0.3188, 0.3144



94.9667, 0.3071, 0.3441

# 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.



85.6886, 0.2953, 0.3337



85.6886, 0.3188, 0.3144



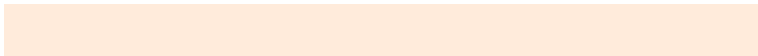
85.6886, 0.3193, 0.3507

# Square

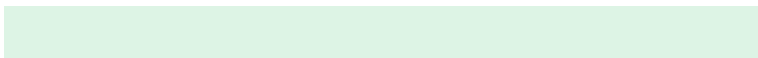
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



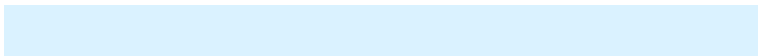
85.6886, 0.3188, 0.3144



85.6886, 0.3373, 0.3451



85.6886, 0.3063, 0.3443



85.6886, 0.2887, 0.3124



# Rectangle

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



85.6886, 0.3188, 0.3144



85.6886, 0.3356, 0.3316



85.6886, 0.3063, 0.3443



85.6886, 0.2904, 0.3257

# Sweetspot

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



85.6917, 0.3188, 0.3144



95.0460, 0.3146, 0.3242



83.4025, 0.3036, 0.3061



20.0674, 0.3152, 0.3229



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

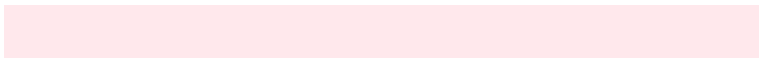
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6917, 0.3188, 0.3144



82.7796, 0.3203, 0.3111



85.0217, 0.3260, 0.3253



18.1870, 0.3192, 0.3136



12.5864, 0.4331, 0.2159



1.2461, 0.4169, 0.2070



# Inverse Universe

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



85.6917, 0.3188, 0.3144



82.7796, 0.3203, 0.3111



95.6519, 0.3009, 0.3328



18.1870, 0.3192, 0.3136



12.5864, 0.4331, 0.2159



1.2461, 0.4169, 0.2070



# Previews

## White Background



This preview shows how the Yxy color 85.6886, 0.3188, 0.3144 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 85.6886, 0.3188, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

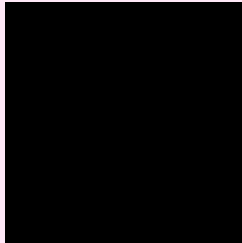
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

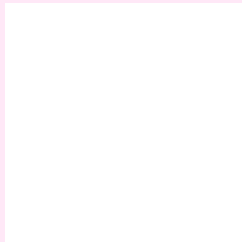
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.6886, 0.3188, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6886, 0.3188, 0.3144.



This preview shows how white text looks on a background with the Yxy color 85.6886, 0.3188, 0.3144.

# 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

85.6886, 0.3188, 0.3144

### Protanopia

85.8212, 0.3061, 0.3160

### Deuteranopia

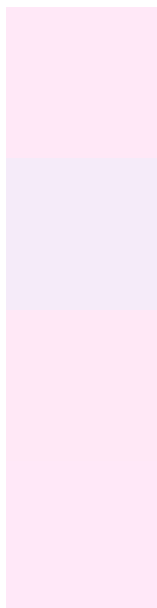
85.6270, 0.3194, 0.3154



## Tritanopia

85.8128, 0.3175, 0.3125

# Trichromacy



## Original Color

85.6886, 0.3188, 0.3144

## Protanomaly

85.6687, 0.3107, 0.3151

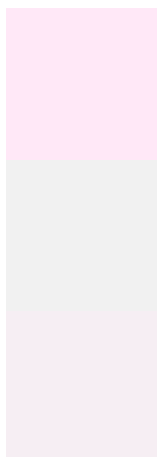
## Deuteranomaly

85.6270, 0.3194, 0.3154

## Tritanomaly

85.7505, 0.3182, 0.3135

# Monochromacy



## Original Color

85.6886, 0.3188, 0.3144

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.2130, 0.3149, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6886, 0.3188, 0.3144 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(255, 232, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 247)  
}
```

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(255, 232, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6886, 0.3188, 0.3144 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(255, 232, 247) }
```

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

```
.border{ border-color:rgb(255, 232, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6886, 0.3188, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 247) }
```

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

```
.background{ background-color: rgb(255,  
232, 247) }
```

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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