

# Converting Colors

$Y_{xy}(100.0000, 0.3726, 0.3249)$

Have a look what the booklet for  
Yxy(100.0000, 0.3726, 0.3249)  
contains.

<b>Yxy(85.0877, 0.3252, 0.3241)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(85.0877, 0.3252, 0.3241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8ED
RGB	255, 232, 237
RGB Percent	100%, 91%, 93%
CMY	0.0001, 0.0901, 0.0704
CMYK	0.00, 0.09, 0.07, 0.00
HSL	347°, 100%, 95%
HSV	347°, 9%, 100%
XYZ	85.3765, 85.0877, 92.0711
YIQ	239.4470, 12.1030, 6.4310

# Conversions

## Conversions Part 2

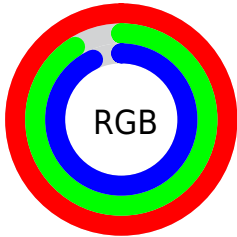
Format	Color
<b>R<sub>YB</sub></b>	255, 232, 237
Decimal	16771309
CIE Lab	93.92, 8.64, 0.39
CIE LCh	94, 8.645, 2.605
Yxy	85.0877, 0.3252, 0.3241
Android (android.graphics.Color)	4294961389 (0xFFFFE8ED)
YUV	239.4470, -1.2064, 13.6400
Hunter-Lab	92.2430, 3.7873, 5.3906

# Details

The Yxy color **85.0877, 0.3252, 0.3241** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.5537, 0.3015, 0.3340**, and the grayscale version is **86.6863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3926, 0.3281, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **70.6619, 0.3422, 0.3183**, and if you desaturate by 10%, it is **99.9931, 0.3127, 0.3290**.

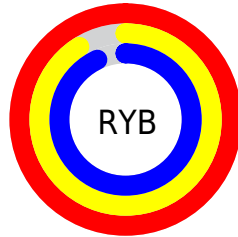
# Distribution



Red (100%)

Green (91%)

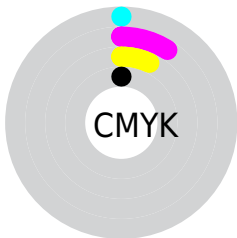
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

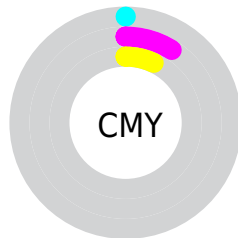


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0877, 0.3252, 0.3241 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 85.0877, 0.3252, 0.3241 by changing the saturation by 10% instead.




 85.0877, 0.3252,  
0.3241

 85.0877, 0.3252,  
0.3241


511.9182, 0.3196,  
0.3263

 63.9138, 0.3265,  
0.3236


140.4957, 0.3233,  
0.3249

 46.5809, 0.3280,  
0.3230


175.4986, 0.3225,  
0.3252

 32.7045, 0.3299,  
0.3222


215.8801, 0.3219,  
0.3254

 21.9001, 0.3324,  
0.3213

262.0244, 0.3213,  
0.3256

 13.7835, 0.3356,  
0.3200

314.3159, 0.3208,  
0.3258

 7.9703, 0.3402,  
0.3181

373.1392, 0.3203,

 4.0759, 0.3472,

0.3260

0.3153

438.8785, 0.3199,  
0.3262

■ 1.7161, 0.3587,  
0.3107

■ 0.4341, 0.4149,  
0.2889

■ 85.0877, 0.3252,  
0.3241

■ 85.0877, 0.3252,  
0.3241

■ 70.6619, 0.3422,  
0.3183

99.9931, 0.3127,  
0.3290

■ 58.3504, 0.3632,  
0.3123

■ 48.0569, 0.3889,  
0.3064

■ 39.6731, 0.4198,  
0.3010

■ 33.0805, 0.4558,  
0.2969

■ 28.1473, 0.4957,  
0.2952

■ 24.7234, 0.5367,  
0.2968

■ 22.6314, 0.5743,  
0.3022

■ 21.6116, 0.6040,  
0.3107

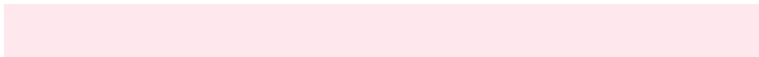
# Harmonies

## Analogous

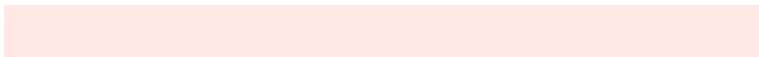
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0877, 0.3160, 0.3168



85.0877, 0.3252, 0.3241



85.0877, 0.3311, 0.3327

# Triad

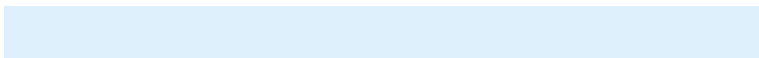
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0877, 0.3252, 0.3241



85.0877, 0.3192, 0.3459



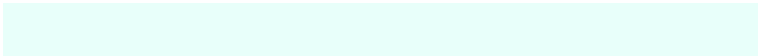
85.0877, 0.2939, 0.3171

# Complementary

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



85.0877, 0.3252, 0.3241



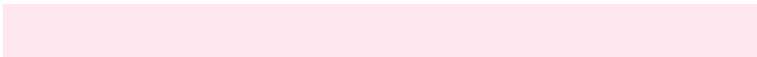
95.5537, 0.3015, 0.3340

# 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.



85.0877, 0.2947, 0.3248



85.0877, 0.3252, 0.3241



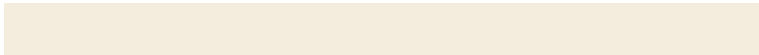
85.0877, 0.3092, 0.3417

# Square

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



85.0877, 0.3252, 0.3241



85.0877, 0.3275, 0.3454



85.0877, 0.3003, 0.3339



85.0877, 0.2980, 0.3128

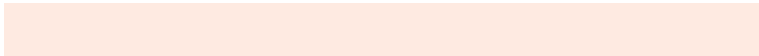


# Rectangle

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



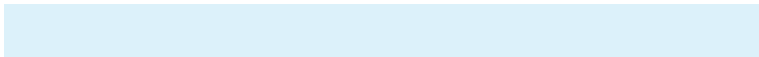
85.0877, 0.3252, 0.3241



85.0877, 0.3322, 0.3382



85.0877, 0.3003, 0.3339



85.0877, 0.2936, 0.3194

# Sweetspot

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



85.0914, 0.3252, 0.3241



94.8368, 0.3166, 0.3274



85.1913, 0.3102, 0.3066



20.0110, 0.3177, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

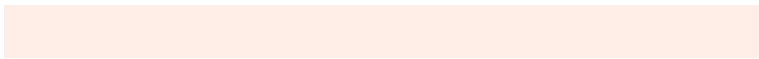
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0914, 0.3252, 0.3241



82.0590, 0.3283, 0.3230



88.3077, 0.3278, 0.3351



18.0521, 0.3260, 0.3238



11.2749, 0.6028, 0.3095



1.1132, 0.5723, 0.2926



# Inverse Universe

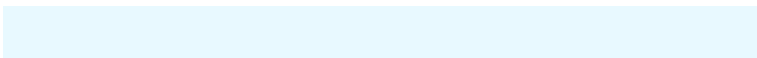
The Inverse Universe completely reimagines the original color for something new.



85.0914, 0.3252, 0.3241



82.0590, 0.3283, 0.3230



92.0310, 0.2987, 0.3229



18.0521, 0.3260, 0.3238



11.2749, 0.6028, 0.3095

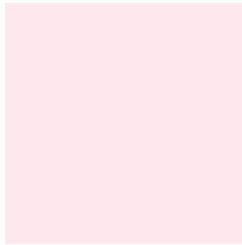


1.1132, 0.5723, 0.2926



# Previews

## White Background



This preview shows how the Yxy color 85.0877, 0.3252, 0.3241 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

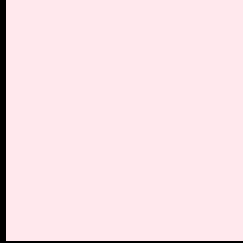
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0877, 0.3252, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

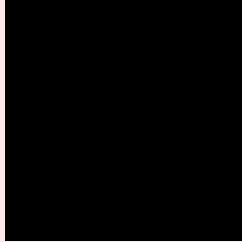
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.0877, 0.3252, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0877, 0.3252, 0.3241.

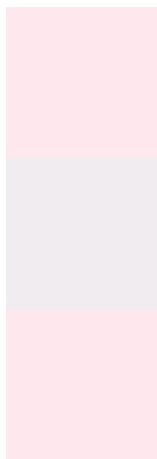


This preview shows how white text looks on a background with the Yxy color 85.0877, 0.3252, 0.3241.

# 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

85.0877, 0.3252, 0.3241

### Protanopia

84.9829, 0.3136, 0.3250

### Deuteranopia

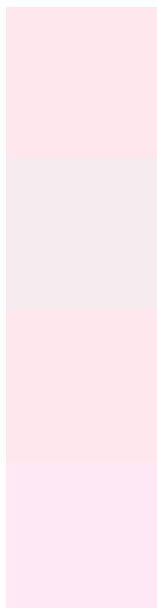
85.0877, 0.3252, 0.3241



## Tritanopia

85.1272, 0.3189, 0.3134

# Trichromacy



## Original Color

85.0877, 0.3252, 0.3241

## Protanomaly

85.2415, 0.3176, 0.3250

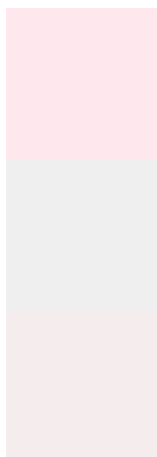
## Deuteranomaly

85.0877, 0.3252, 0.3241

## Tritanomaly

84.8829, 0.3214, 0.3173

# Monochromacy



## Original Color

85.0877, 0.3252, 0.3241

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

85.5764, 0.3175, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0877, 0.3252, 0.3241 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0877, 0.3252, 0.3241 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, 237) }
```

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

```
.border{ border-color:rgb(255, 232, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0877, 0.3252, 0.3241 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
232, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor