

# Converting Colors

$Y_{xy}(90.7124, 0.3426, 0.3259)$

Have a look what the booklet for  
Yxy(90.7124, 0.3426, 0.3259)  
contains.

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# Color

**Yxy(85.6523, 0.3252, 0.3251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9ED
RGB	255, 233, 237
RGB Percent	100%, 91%, 93%
CMY	0.0000, 0.0863, 0.0706
CMYK	0.00, 0.09, 0.07, 0.00
HSL	349°, 100%, 96%
HSV	349°, 9%, 100%
XYZ	85.6786, 85.6523, 92.1335
YIQ	240.0340, 11.8280, 5.9080

# Conversions

## Conversions Part 2

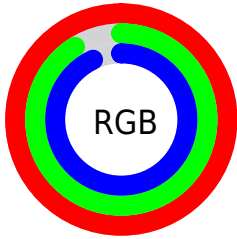
Format	Color
R <sub>Y</sub> B	255, 233, 237
Decimal	16771565
CIE Lab	94.16, 8.16, 0.77
CIE LCh	94, 8.195, 5.380
Yxy	85.6523, 0.3252, 0.3251
Android (android.graphics.Color)	4294961645 (0xFFFFE9ED)
YUV	240.0340, -1.4958, 13.1252
Hunter-Lab	92.5485, 3.2900, 5.7598

# Details

The Yxy color **85.6523, 0.3252, 0.3251** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.8064, 0.3015, 0.3329**, and the grayscale version is **87.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7862, 0.3279, 0.3240** is the 20% darker color. If you saturate the color by 10%, you get **71.0881, 0.3428, 0.3203**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

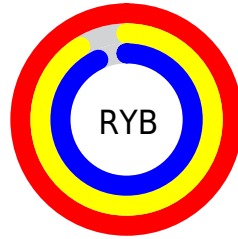
# Distribution



Red (100%)

Green (91%)

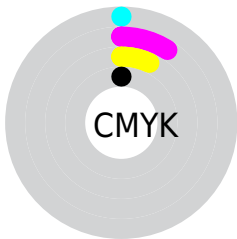
Blue (93%)



Red (100%)

Yellow (91%)

Blue (93%)

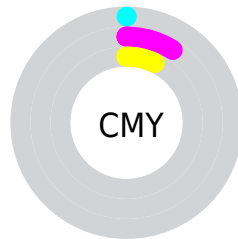


Cyan (0%)

Magenta (9%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6523, 0.3252, 0.3251 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 85.6523, 0.3252, 0.3251 by changing the saturation by 10% instead.



 85.6523, 0.3252,  
0.3251

 85.6523, 0.3252,  
0.3251

513.7840, 0.3196,  
0.3269

 64.3805, 0.3264,  
0.3247


141.2842, 0.3233,  
0.3257

 46.9589, 0.3280,  
0.3242


176.4130, 0.3225,  
0.3259

 33.0032, 0.3299,  
0.3236


216.9297, 0.3219,  
0.3262

 22.1289, 0.3323,  
0.3228

263.2186, 0.3213,  
0.3263

 13.9516, 0.3356,  
0.3218

315.6641, 0.3208,  
0.3265

 8.0870, 0.3402,  
0.3203

374.6505, 0.3203,

 4.1507, 0.3471,

0.3266

0.3180

440.5624, 0.3199,  
0.3268

■ 1.7582, 0.3585,  
0.3143

■ 0.4609, 0.4121,  
0.2981

■ 85.6523, 0.3252,  
0.3251

■ 85.6523, 0.3252,  
0.3251

■ 71.0881, 0.3428,  
0.3203

100.0000, 0.3127,  
0.3290

■ 58.6643, 0.3647,  
0.3153

■ 48.2740, 0.3915,  
0.3104

■ 39.8083, 0.4239,  
0.3059

■ 33.1485, 0.4616,  
0.3027

■ 28.1623, 0.5033,  
0.3014

■ 24.6993, 0.5457,  
0.3031

■ 22.5821, 0.5838,  
0.3081

■ 21.5598, 0.6126,  
0.3157

# Harmonies

## Analogous

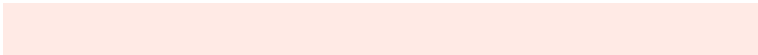
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6523, 0.3167, 0.3180



85.6523, 0.3252, 0.3251



85.6523, 0.3303, 0.3333

# Triad

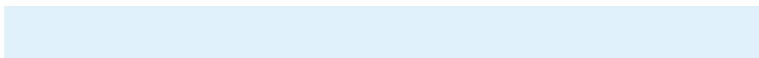
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6523, 0.3252, 0.3251



85.6523, 0.3180, 0.3448



85.6523, 0.2951, 0.3172

# Complementary

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



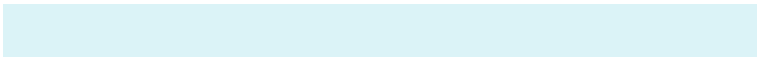
85.6523, 0.3252, 0.3251



95.8064, 0.3015, 0.3329

# Split Complementary

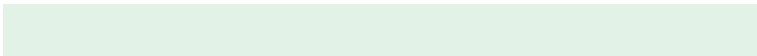
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6523, 0.2954, 0.3243



85.6523, 0.3252, 0.3251



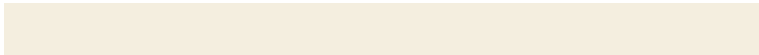
85.6523, 0.3086, 0.3404

# Square

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



85.6523, 0.3252, 0.3251



85.6523, 0.3261, 0.3448



85.6523, 0.3003, 0.3328



85.6523, 0.2994, 0.3134

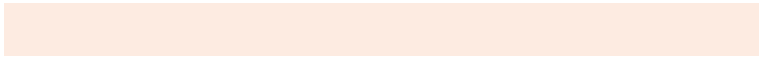


# Rectangle

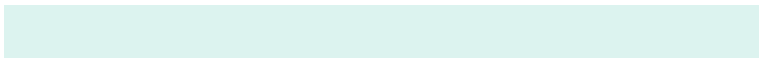
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



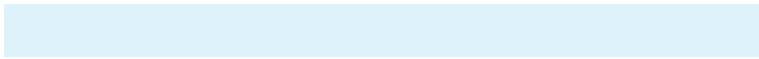
85.6523, 0.3252, 0.3251



85.6523, 0.3311, 0.3383



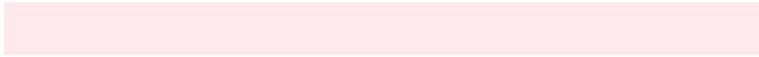
85.6523, 0.3003, 0.3328



85.6523, 0.2947, 0.3193

# Sweetspot

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



85.6459, 0.3252, 0.3251



94.8193, 0.3168, 0.3277



85.9944, 0.3110, 0.3076



20.0063, 0.3179, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

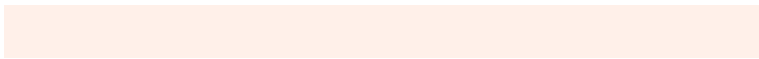
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6459, 0.3252, 0.3251



83.5244, 0.3274, 0.3245



89.4388, 0.3271, 0.3359



18.0411, 0.3266, 0.3247



11.2291, 0.6125, 0.3148



1.1072, 0.5837, 0.2989

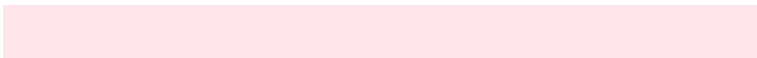


# Inverse Universe

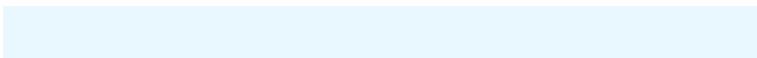
The Inverse Universe completely reimagines the original color for something new.



85.6459, 0.3252, 0.3251



83.5244, 0.3274, 0.3245



91.6950, 0.2993, 0.3220



18.0411, 0.3266, 0.3247



11.2291, 0.6125, 0.3148

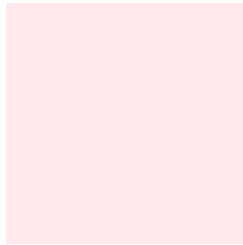


1.1072, 0.5837, 0.2989



# Previews

## White Background



This preview shows how the Yxy color 85.6523, 0.3252, 0.3251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

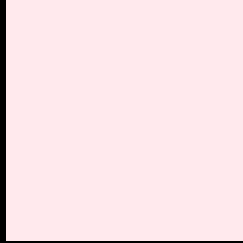
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.6523, 0.3252, 0.3251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

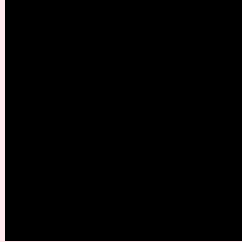
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

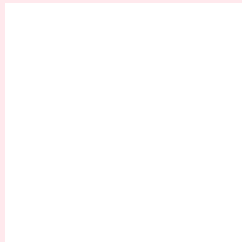
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.6523, 0.3252, 0.3251**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6523, 0.3252, 0.3251.

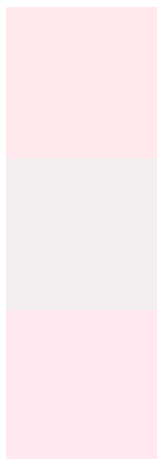


This preview shows how white text looks on a background with the Yxy color 85.6523, 0.3252, 0.3251.

# 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

85.6523, 0.3252, 0.3251

### Protanopia

85.6776, 0.3148, 0.3270

### Deuteranopia

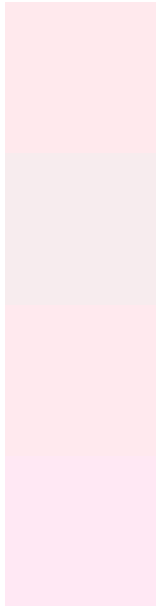
85.7109, 0.3245, 0.3241



## Tritanopia

85.7505, 0.3182, 0.3135

# Trichromacy



## Original Color

85.6523, 0.3252, 0.3251

## Protanomaly

85.9381, 0.3188, 0.3270

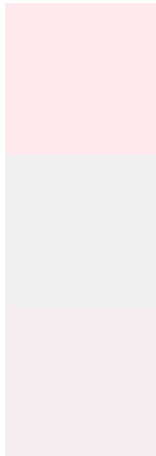
## Deuteranomaly

85.7109, 0.3245, 0.3241

## Tritanomaly

85.5049, 0.3207, 0.3173

# Monochromacy



## Original Color

85.6523, 0.3252, 0.3251

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.2128, 0.3168, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6523, 0.3252, 0.3251 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, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6523, 0.3252, 0.3251 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, 233, 237) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6523, 0.3252, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 237) }
```

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

```
.background{ background-color: rgb(255,  
233, 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](#).

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