

# Converting Colors

$Y_{xy}(135.4992, 0.4380, 0.3250)$

Have a look what the booklet for  
Yxy(135.4992, 0.4380, 0.3250)  
contains.

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# Color

**Yxy(85.8291, 0.3232, 0.3222)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE9F0
RGB	255, 233, 240
RGB Percent	100%, 91%, 94%
CMY	0.0001, 0.0862, 0.0589
CMYK	0.00, 0.09, 0.06, 0.00
HSL	341°, 100%, 96%
HSV	341°, 9%, 100%
XYZ	86.0955, 85.8291, 94.4600
YIQ	240.3760, 10.8650, 6.8410

# Conversions

## Conversions Part 2

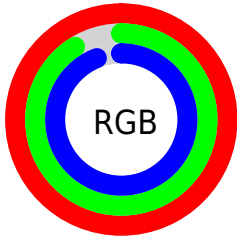
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 233, 240
Decimal	16771568
CIE Lab	94.24, 8.61, -0.68
CIE LCh	94, 8.641, 355.486
Yxy	85.8291, 0.3232, 0.3222
Android (android.graphics.Color)	4294961648 (0xFFFFE9F0)
YUV	240.3760, -0.1854, 12.8252
Hunter-Lab	92.6440, 3.7558, 4.3986

# Details

The Yxy color **85.8291, 0.3232, 0.3222** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.5999, 0.3032, 0.3359**, and the grayscale version is **87.4414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9107, 0.3254, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **71.4388, 0.3380, 0.3138**, and if you desaturate by 10%, it is **99.9929, 0.3127, 0.3290**.

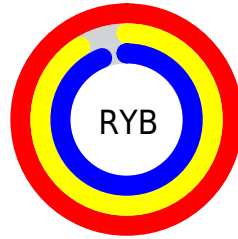
# Distribution



Red (100%)

Green (91%)

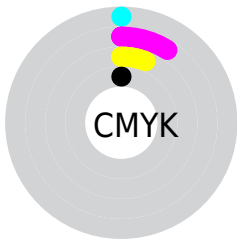
Blue (94%)



Red (100%)

Yellow (91%)

Blue (94%)

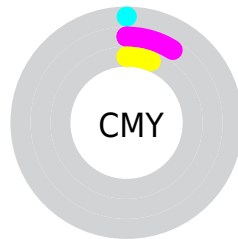


Cyan (0%)

Magenta (9%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8291, 0.3232, 0.3222 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 85.8291, 0.3232, 0.3222 by changing the saturation by 10% instead.



 85.8291, 0.3232,  
0.3222

 85.8291, 0.3232,  
0.3222

514.3675, 0.3185,  
0.3253

 64.5267, 0.3242,  
0.3215


141.5310, 0.3216,  
0.3232

 47.0774, 0.3255,  
0.3207

176.6992, 0.3210,  
0.3237

 33.0968, 0.3271,  
0.3197


217.2582, 0.3204,  
0.3240

 22.2006, 0.3292,  
0.3183

263.5922, 0.3199,  
0.3243

 14.0044, 0.3319,  
0.3166

316.0858, 0.3195,  
0.3246

 8.1237, 0.3357,  
0.3142

375.1233, 0.3191,

 4.1742, 0.3413,

0.3248

0.3105

441.0891, 0.3188,  
0.3251

■ 1.7715, 0.3507,  
0.3045

■ 0.4693, 0.3897,  
0.2787

■ 85.8291, 0.3232,  
0.3222

■ 85.8291, 0.3232,  
0.3222

■ 71.4388, 0.3380,  
0.3138

99.9929, 0.3127,  
0.3290

■ 59.1376, 0.3560,  
0.3051

■ 48.8311, 0.3780,  
0.2965

■ 40.4129, 0.4043,  
0.2884

■ 33.7667, 0.4349,  
0.2819

■ 28.7634, 0.4691,  
0.2781

■ 25.2559, 0.5051,  
0.2782

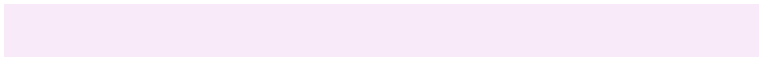
■ 23.0705, 0.5401,  
0.2831

■ 21.9615, 0.5708,  
0.2926

# Harmonies

## Analogous

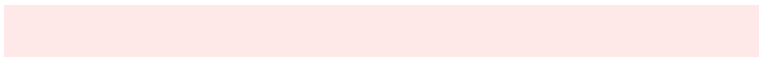
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8291, 0.3136, 0.3156



85.8291, 0.3232, 0.3222



85.8291, 0.3300, 0.3307

# Triad

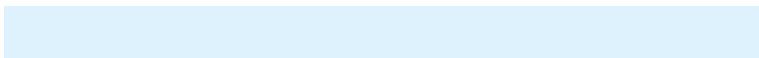
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8291, 0.3232, 0.3222



85.8291, 0.3214, 0.3462



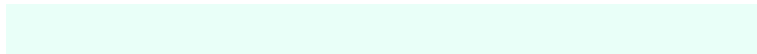
85.8291, 0.2937, 0.3188

# Complementary

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



85.8291, 0.3232, 0.3222



95.5999, 0.3032, 0.3359

# Split Complementary

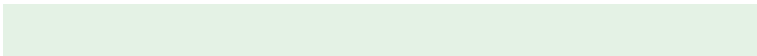
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8291, 0.2957, 0.3270



85.8291, 0.3232, 0.3222



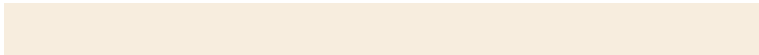
85.8291, 0.3116, 0.3430

# Square

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



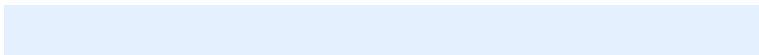
85.8291, 0.3232, 0.3222



85.8291, 0.3289, 0.3446



85.8291, 0.3022, 0.3359



85.8291, 0.2967, 0.3135

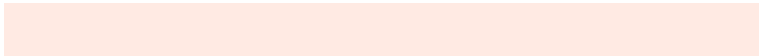


# Rectangle

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



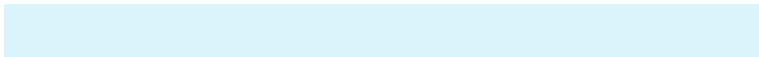
85.8291, 0.3232, 0.3222



85.8291, 0.3320, 0.3363



85.8291, 0.3022, 0.3359



85.8291, 0.2938, 0.3213

# Sweetspot

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



85.8329, 0.3232, 0.3222



94.8842, 0.3162, 0.3267



85.3990, 0.3089, 0.3075



20.0238, 0.3171, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

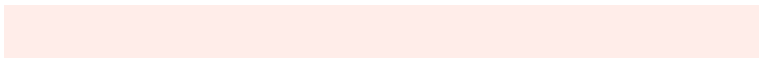
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8329, 0.3232, 0.3222



83.7255, 0.3251, 0.3211



87.5188, 0.3274, 0.3326



18.0822, 0.3244, 0.3215



11.4433, 0.5705, 0.2916



1.1331, 0.5385, 0.2740



# Inverse Universe

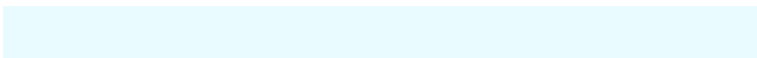
The Inverse Universe completely reimagines the original color for something new.



85.8329, 0.3232, 0.3222



83.7255, 0.3251, 0.3211



93.7301, 0.2994, 0.3253



18.0822, 0.3244, 0.3215



11.4433, 0.5705, 0.2916

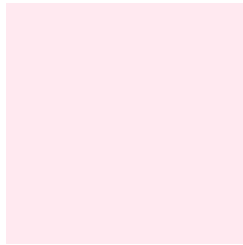


1.1331, 0.5385, 0.2740



# Previews

## White Background



This preview shows how the Yxy color 85.8291, 0.3232, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

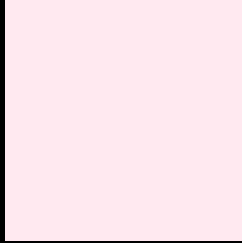
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8291, 0.3232, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

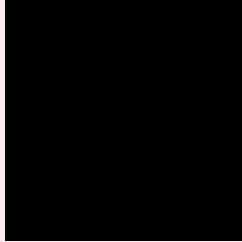
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8291, 0.3232, 0.3222**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8291, 0.3232, 0.3222.

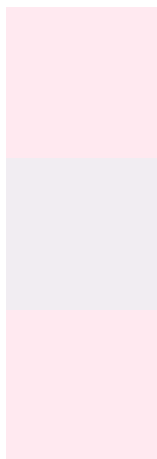


This preview shows how white text looks on a background with the Yxy color 85.8291, 0.3232, 0.3222.

# 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

85.8291, 0.3232, 0.3222

### Protanopia

85.6800, 0.3123, 0.3240

### Deuteranopia

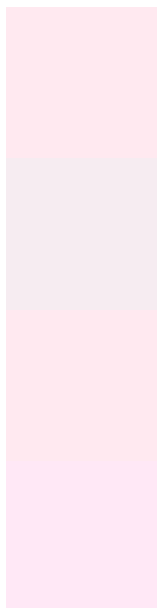
85.8291, 0.3232, 0.3222



## Tritanopia

85.8128, 0.3175, 0.3125

# Trichromacy



## Original Color

85.8291, 0.3232, 0.3222

## Protanomaly

85.9346, 0.3163, 0.3240

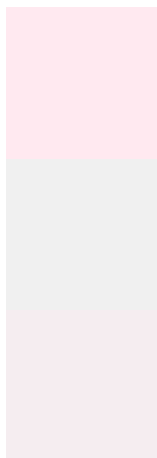
## Deuteranomaly

85.8291, 0.3232, 0.3222

## Tritanomaly

85.6270, 0.3194, 0.3154

# Monochromacy



## Original Color

85.8291, 0.3232, 0.3222

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.2721, 0.3162, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8291, 0.3232, 0.3222 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8291, 0.3232, 0.3222 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, 240) }
```

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

```
.border{ border-color:rgb(255, 233, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8291, 0.3232, 0.3222 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
233, 240) }
```

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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