

# Converting Colors

$Y_{xy}(85.5542, 0.3211, 0.3181)$

Have a look what the booklet for  
Yxy(85.5542, 0.3211, 0.3181)  
contains.

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# **Color**

**Yxy(85.4443, 0.3214, 0.3183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8F3
RGB	255, 232, 243
RGB Percent	100%, 91%, 95%
CMY	0.0000, 0.0902, 0.0472
CMYK	0.00, 0.09, 0.05, 0.00
HSL	331°, 100%, 95%
HSV	331°, 9%, 100%
XYZ	86.2765, 85.4443, 96.7188
YIQ	240.1310, 10.1770, 8.2970

# Conversions

## Conversions Part 2

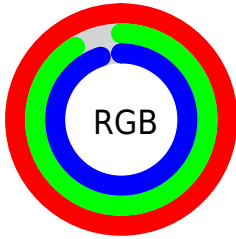
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 232, 243
Decimal	16771315
CIE Lab	94.07, 9.66, -2.47
CIE LCh	94, 9.975, 345.646
Yxy	85.4443, 0.3214, 0.3183
Android (android.graphics.Color)	4294961395 (0xFFFFE8F3)
YUV	240.1310, 1.4144, 13.0401
Hunter-Lab	92.4361, 4.8422, 2.6683

# Details

The Yxy color 85.4443, 0.3214, 0.3183 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.2094, 0.3048, 0.3400, and the grayscale version is 87.2262, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.6443, 0.3230, 0.3153 is the 20% darker color. If you saturate the color by 10%, you get 71.3380, 0.3329, 0.3058, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

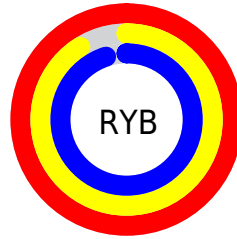
# Distribution



Red (100%)

Green (91%)

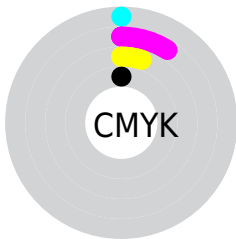
Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

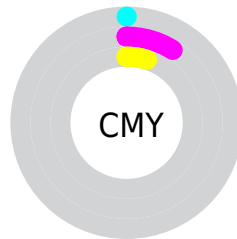


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4443, 0.3214, 0.3183 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 85.4443, 0.3214, 0.3183 by changing the saturation by 10% instead.




 85.4443, 0.3214,  
0.3183

 85.4443, 0.3214,  
0.3183


513.0971, 0.3175,  
0.3231

 64.2086, 0.3223,  
0.3172

140.9938, 0.3201,  
0.3199

 46.8196, 0.3233,  
0.3160


176.0763, 0.3196,  
0.3206

 32.8931, 0.3246,  
0.3144


216.5432, 0.3191,  
0.3211

 22.0445, 0.3263,  
0.3123

262.7788, 0.3187,  
0.3216

 13.8896, 0.3285,  
0.3096

315.1677, 0.3184,  
0.3220

 8.0439, 0.3316,  
0.3059

374.0940, 0.3180,

 4.1231, 0.3362,

0.3224

0.3004

439.9424, 0.3178,  
0.3228

■ 1.7426, 0.3437,  
0.2914

■ 0.4510, 0.3735,  
0.2534

■ 85.4443, 0.3214,  
0.3183

■ 85.4443, 0.3214,  
0.3183

■ 71.3380, 0.3329,  
0.3058

100.0000, 0.3127,  
0.3290

■ 59.2826, 0.3468,  
0.2929

■ 49.1810, 0.3634,  
0.2800

■ 40.9281, 0.3829,  
0.2680

■ 34.4091, 0.4052,  
0.2577

■ 29.4960, 0.4299,  
0.2504

■ 26.0429, 0.4561,  
0.2474

■ 23.8772, 0.4825,  
0.2498

■ 22.7440, 0.5076,  
0.2574

# Harmonies

## Analogous

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



85.4443, 0.3099, 0.3118



85.4443, 0.3214, 0.3183



85.4443, 0.3307, 0.3276

# Triad

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



85.4443, 0.3214, 0.3183



85.4443, 0.3260, 0.3489



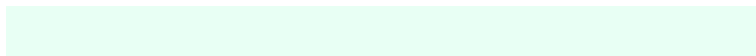
85.4443, 0.2909, 0.3200

# Complementary

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



85.4443, 0.3214, 0.3183



95.2094, 0.3048, 0.3400

# Split Complementary

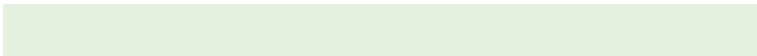
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4443, 0.2950, 0.3301



85.4443, 0.3214, 0.3183



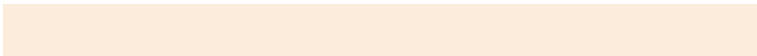
85.4443, 0.3152, 0.3471

# Square

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



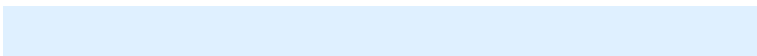
85.4443, 0.3214, 0.3183



85.4443, 0.3333, 0.3453



85.4443, 0.3039, 0.3401



85.4443, 0.2925, 0.3126

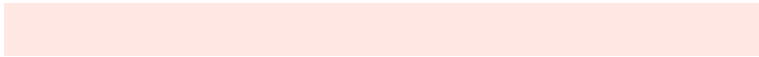


# Rectangle

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



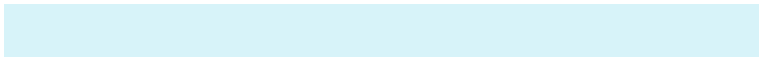
85.4443, 0.3214, 0.3183



85.4443, 0.3343, 0.3342



85.4443, 0.3039, 0.3401



85.4443, 0.2917, 0.3231

# Sweetspot

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



85.4441, 0.3214, 0.3183



94.9609, 0.3154, 0.3255



84.1469, 0.3064, 0.3063



20.0444, 0.3162, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

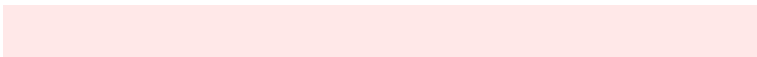
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4441, 0.3214, 0.3183



82.4820, 0.3235, 0.3159



85.0168, 0.3285, 0.3294



18.1314, 0.3219, 0.3177



11.8686, 0.5061, 0.2562



1.1775, 0.4795, 0.2415



# Inverse Universe

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



85.4441, 0.3214, 0.3183



82.4820, 0.3235, 0.3159



95.6519, 0.2987, 0.3286



18.1314, 0.3219, 0.3177



11.8686, 0.5061, 0.2562

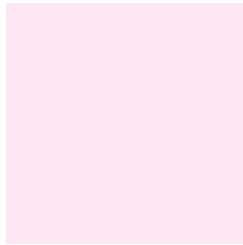


1.1775, 0.4795, 0.2415



# Previews

## White Background



This preview shows how the Yxy color 85.4443, 0.3214, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

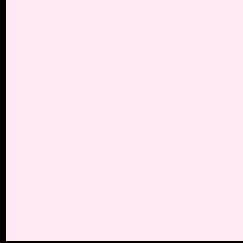
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4443, 0.3214, 0.3183 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

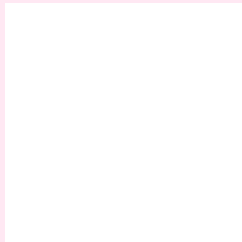
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4443, 0.3214, 0.3183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4443, 0.3214, 0.3183.

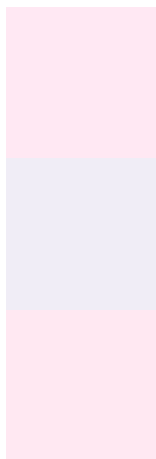


This preview shows how white text looks on a background with the Yxy color 85.4443, 0.3214, 0.3183.

# 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

85.4443, 0.3214, 0.3183

### Protanopia

85.7475, 0.3092, 0.3200

### Deuteranopia

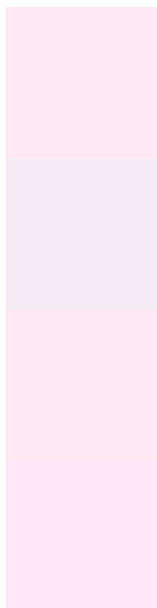
85.3840, 0.3220, 0.3192



## Tritanopia

85.2514, 0.3176, 0.3115

# Trichromacy



## Original Color

85.4443, 0.3214, 0.3183

## Protanomaly

85.4217, 0.3132, 0.3191

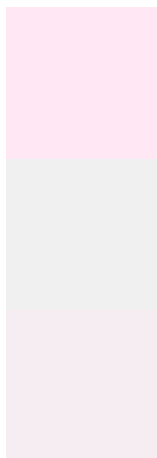
## Deuteranomaly

85.3840, 0.3220, 0.3192

## Tritanomaly

85.1272, 0.3189, 0.3134

# Monochromacy



## Original Color

85.4443, 0.3214, 0.3183

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.3317, 0.3156, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4443, 0.3214, 0.3183 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4443, 0.3214, 0.3183 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, 243) }
```

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

```
.border{ border-color:rgb(255, 232, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4443, 0.3214, 0.3183 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
232, 243) }
```

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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