

# Converting Colors

$Y_{xy}(83.7688, 0.3216, 0.3153)$

Have a look what the booklet for  
Yxy(83.7688, 0.3216, 0.3153)  
contains.

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# Color

**Yxy(83.7697, 0.3216, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5F3
RGB	255, 229, 243
RGB Percent	100%, 90%, 95%
CMY	0.0000, 0.1020, 0.0470
CMYK	0.00, 0.10, 0.05, 0.00
HSL	328°, 100%, 95%
HSV	328°, 10%, 100%
XYZ	85.4435, 83.7697, 96.4693
YIQ	238.3700, 11.0020, 9.8660

# Conversions

## Conversions Part 2

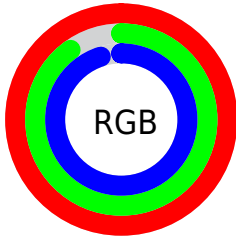
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 229, 243</a>
Decimal	<a href="#">16770547</a>
CIELab	<a href="#">93.35, 11.22, -3.56</a>
CIELCh	<a href="#">93, 11.771, 342.418</a>
Yxy	<a href="#">83.7697, 0.3216, 0.3153</a>
Android (android.graphics.Color)	<a href="#">4294960627</a> ( <a href="#">0xFFFFE5F3</a> )
YUV	<a href="#">238.3700, 2.2826, 14.5845</a>
Hunter-Lab	<a href="#">91.5258, 6.4678, 1.5757</a>

# Details

The Yxy color **83.7697, 0.3216, 0.3153** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.5277, 0.3047, 0.3431**, and the grayscale version is **85.7768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8657, 0.3232, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **69.9918, 0.3321, 0.3012**, and if you desaturate by 10%, it is **99.6654, 0.3129, 0.3287**.

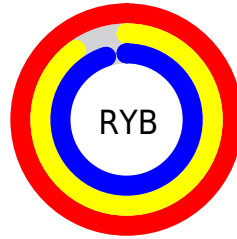
# Distribution



Red (100%)

Green (90%)

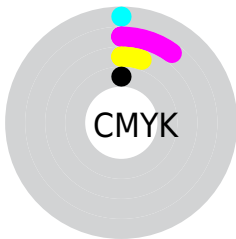
Blue (95%)



Red (100%)

Yellow (90%)

Blue (95%)

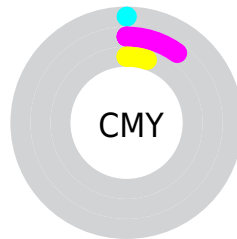


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7697, 0.3216, 0.3153 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 83.7697, 0.3216, 0.3153 by changing the saturation by 10% instead.




 83.7697, 0.3216,  
0.3153

 83.7697, 0.3216,  
0.3153

507.5482, 0.3176,  
0.3214

 62.8253, 0.3225,  
0.3140


138.6530, 0.3202,  
0.3174

 45.6999, 0.3235,  
0.3123


173.3607, 0.3197,  
0.3182

 32.0091, 0.3249,  
0.3103


213.4249, 0.3193,  
0.3189

 21.3684, 0.3266,  
0.3076

259.2301, 0.3188,  
0.3195

 13.3936, 0.3289,  
0.3042

311.1606, 0.3185,  
0.3201

 7.7001, 0.3320,  
0.2994

369.6008, 0.3182,

 3.9037, 0.3367,

0.3206

0.2923

434.9352, 0.3179,  
0.3210

■ 1.6198, 0.3444,  
0.2808

■ 0.3709, 0.3797,  
0.2248

■ 83.7697, 0.3216,  
0.3153

■ 83.7697, 0.3216,  
0.3153

■ 69.9918, 0.3321,  
0.3012

99.6654, 0.3129,  
0.3287

■ 58.2411, 0.3446,  
0.2867

100.0000, 0.3127,  
0.3290

■ 48.4202, 0.3594,  
0.2723

■ 40.4235, 0.3765,  
0.2589

■ 34.1351, 0.3960,  
0.2475

■ 29.4258, 0.4172,  
0.2393

■ 26.1476, 0.4396,  
0.2355

■ 24.1242, 0.4621,  
0.2371

■ 23.0790, 0.4833,  
0.2436

# Harmonies

## Analogous

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



83.7697, 0.3079, 0.3081



83.7697, 0.3216, 0.3153



83.7697, 0.3331, 0.3260

# Triad

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



83.7697, 0.3216, 0.3153



83.7697, 0.3297, 0.3525



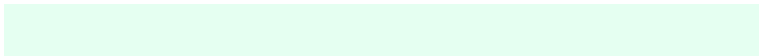
83.7697, 0.2871, 0.3194

# Complementary

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



83.7697, 0.3216, 0.3153



94.5277, 0.3047, 0.3431

# Split Complementary

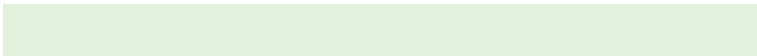
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7697, 0.2927, 0.3316



83.7697, 0.3216, 0.3153



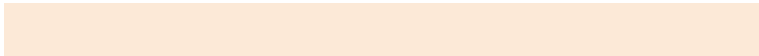
83.7697, 0.3171, 0.3511

# Square

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



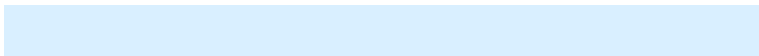
83.7697, 0.3216, 0.3153



83.7697, 0.3378, 0.3475



83.7697, 0.3036, 0.3433



83.7697, 0.2882, 0.3102

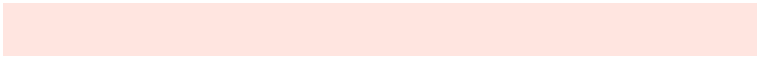


# Rectangle

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



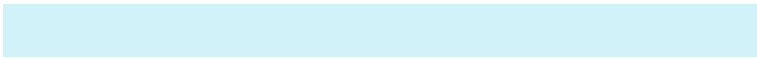
83.7697, 0.3216, 0.3153



83.7697, 0.3379, 0.3339



83.7697, 0.3036, 0.3433



83.7697, 0.2882, 0.3233

# Sweetspot

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



83.7696, 0.3216, 0.3153



94.9907, 0.3152, 0.3251



81.9055, 0.3043, 0.3031



20.0525, 0.3158, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

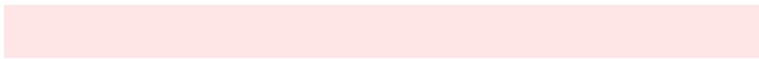
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7696, 0.3216, 0.3153



81.1311, 0.3233, 0.3128



83.0276, 0.3300, 0.3278



18.1508, 0.3209, 0.3163



12.0898, 0.4799, 0.2417



1.1992, 0.4567, 0.2290



# Inverse Universe

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



83.7696, 0.3216, 0.3153



81.1311, 0.3233, 0.3128



95.3143, 0.2977, 0.3303



18.1508, 0.3209, 0.3163



12.0898, 0.4799, 0.2417

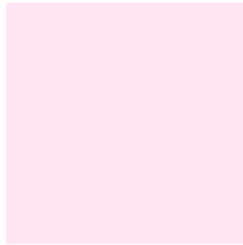


1.1992, 0.4567, 0.2290



# Previews

## White Background



This preview shows how the Yxy color 83.7697, 0.3216, 0.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

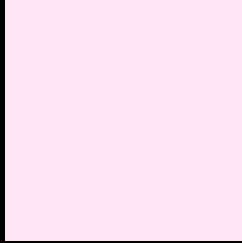
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7697, 0.3216, 0.3153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

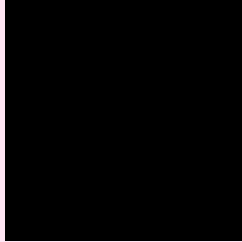
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.7697, 0.3216, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7697, 0.3216, 0.3153.

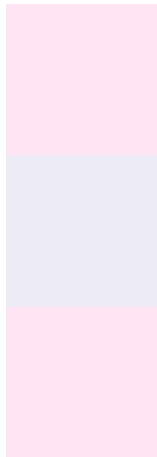


This preview shows how white text looks on a background with the Yxy color 83.7697, 0.3216, 0.3153.

# 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

83.7697, 0.3216, 0.3153

### Protanopia

84.0750, 0.3073, 0.3179

### Deuteranopia

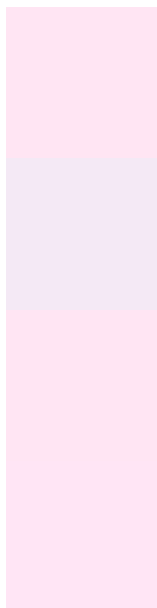
83.7697, 0.3216, 0.3153



## Tritanopia

83.9524, 0.3196, 0.3124

# Trichromacy



## Original Color

83.7697, 0.3216, 0.3153

## Protanomaly

84.1035, 0.3126, 0.3170

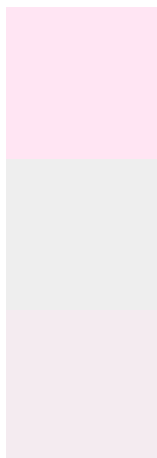
## Deuteranomaly

83.7697, 0.3216, 0.3153

## Tritanomaly

83.8912, 0.3203, 0.3134

# Monochromacy



## Original Color

83.7697, 0.3216, 0.3153

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.9410, 0.3156, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7697, 0.3216, 0.3153 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, 229, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7697, 0.3216, 0.3153 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, 229, 243) }
```

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

```
.border{ border-color:rgb(255, 229, 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, 229, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 243); box-shadow:4px 4px 4px 4px rgb(255, 229, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7697, 0.3216, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 243) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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