

# Converting Colors

$Y_{xy}(82.0383, 0.3206, 0.3151)$

Have a look what the booklet for  
Yxy(82.0383, 0.3206, 0.3151)  
contains.

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# **Color**

**Yxy(81.9845, 0.3210, 0.3152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE3F1
RGB	252, 227, 241
RGB Percent	99%, 89%, 95%
CMY	0.0117, 0.1098, 0.0550
CMYK	0.00, 0.10, 0.04, 0.01
HSL	326°, 81%, 94%
HSV	326°, 10%, 99%
XYZ	83.4931, 81.9845, 94.6255
YIQ	236.0710, 10.4060, 9.6540

# Conversions

## Conversions Part 2

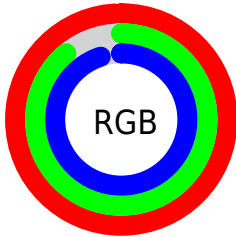
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 227, 241
Decimal	16573425
CIE <sub>Lab</sub>	92.57, 10.89, -3.67
CIE <sub>LCh</sub>	93, 11.496, 341.368
Yxy	81.9845, 0.3210, 0.3152
Android (android.graphics.Color)	4294763505 (0xFFFC <sub>E3F1</sub> )
YUV	236.0710, 2.4300, 13.9697
Hunter-Lab	90.5453, 6.1431, 1.4199

# Details

The Yxy color **81.9845, 0.3210, 0.3152** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **92.1393, 0.3052, 0.3432**, and the grayscale version is **83.9159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6099, 0.3224, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **68.5516, 0.3310, 0.3006**, and if you desaturate by 10%, it is **97.4828, 0.3127, 0.3291**.

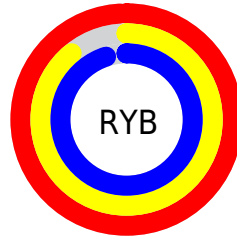
# Distribution



Red (99%)

Green (89%)

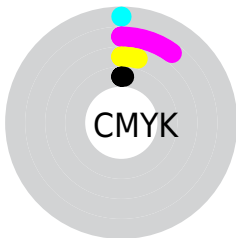
Blue (95%)



Red (99%)

Yellow (89%)

Blue (95%)

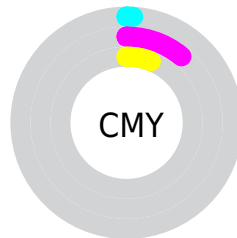


Cyan (0%)

Magenta (10%)

Yellow (4%)

Black (1%)



Cyan (1%)

Magenta (11%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9845, 0.3210, 0.3152 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 81.9845, 0.3210, 0.3152 by changing the saturation by 10% instead.



 81.9845, 0.3210,  
0.3152

 81.9845, 0.3210,  
0.3152


501.5958, 0.3173,  
0.3214

 61.3528, 0.3218,  
0.3138

136.1523, 0.3197,  
0.3173

 44.5099, 0.3228,  
0.3122


170.4571, 0.3192,  
0.3181

 31.0716, 0.3241,  
0.3101


210.0884, 0.3188,  
0.3189

 20.6534, 0.3257,  
0.3074

255.4305, 0.3184,  
0.3195

 12.8709, 0.3278,  
0.3039

306.8680, 0.3181,  
0.3201

 7.3397, 0.3308,  
0.2989

364.7851, 0.3178,

 3.6754, 0.3353,

0.3205

0.2916

429.5662, 0.3175,  
0.3210

■ 1.4937, 0.3427,  
0.2796

■ 0.2843, 0.3866,  
0.2050

■ 81.9845, 0.3210,  
0.3152

■ 81.9845, 0.3210,  
0.3152

■ 68.5516, 0.3310,  
0.3006

■ 97.4828, 0.3127,  
0.3291

■ 57.0855, 0.3429,  
0.2856

■ 99.4389, 0.3109,  
0.3290

■ 47.4952, 0.3570,  
0.2708

■ 39.6786, 0.3732,  
0.2569

■ 33.5234, 0.3916,  
0.2449

■ 28.9048, 0.4117,  
0.2362

■ 25.6798, 0.4328,  
0.2319

■ 23.6781, 0.4540,  
0.2328

■ 22.6226, 0.4745,  
0.2388

# Harmonies

## Analogous

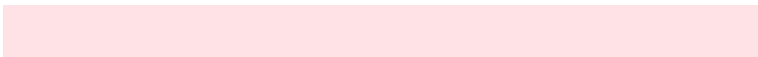
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9845, 0.3075, 0.3083



81.9845, 0.3210, 0.3152



81.9845, 0.3324, 0.3257

# Triad

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



81.9845, 0.3210, 0.3152



81.9845, 0.3298, 0.3521



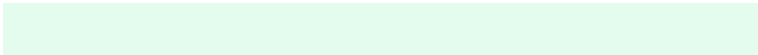
81.9845, 0.2876, 0.3199

# Complementary

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



81.9845, 0.3210, 0.3152



92.1393, 0.3052, 0.3432

# 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.



81.9845, 0.2933, 0.3320



81.9845, 0.3210, 0.3152



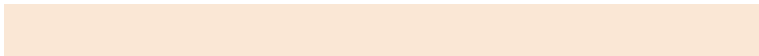
81.9845, 0.3175, 0.3509

# Square

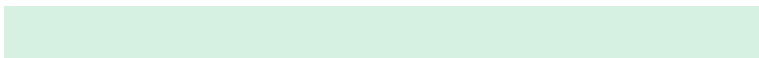
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



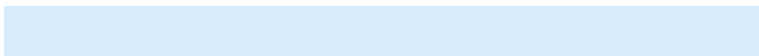
81.9845, 0.3210, 0.3152



81.9845, 0.3375, 0.3469



81.9845, 0.3042, 0.3435



81.9845, 0.2884, 0.3107

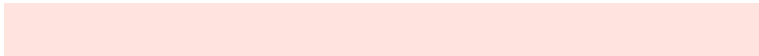


# Rectangle

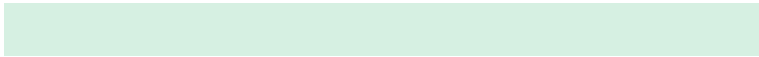
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9845, 0.3210, 0.3152



81.9845, 0.3373, 0.3334



81.9845, 0.3042, 0.3435



81.9845, 0.2888, 0.3238

# Sweetspot

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



81.9881, 0.3210, 0.3152



95.0003, 0.3151, 0.3249



80.1189, 0.3043, 0.3038



20.0551, 0.3157, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

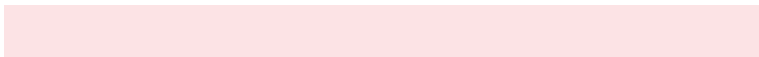
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9881, 0.3210, 0.3152



81.1672, 0.3229, 0.3122



81.2772, 0.3292, 0.3274



17.3876, 0.3206, 0.3158



11.8092, 0.4714, 0.2371



1.1151, 0.4484, 0.2244



# Inverse Universe

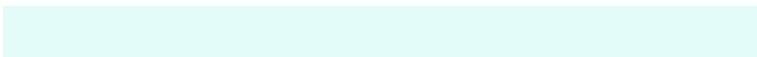
The Inverse Universe completely reimagines the original color for something new.



81.9881, 0.3210, 0.3152



81.1672, 0.3229, 0.3122



92.8880, 0.2983, 0.3306



17.3876, 0.3206, 0.3158



11.8092, 0.4714, 0.2371

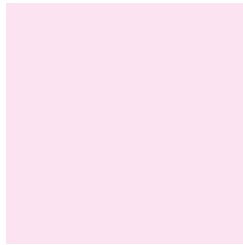


1.1151, 0.4484, 0.2244



# Previews

## White Background



This preview shows how the Yxy color 81.9845, 0.3210, 0.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

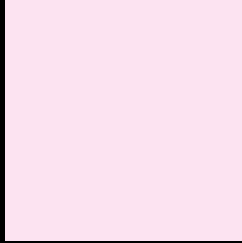
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9845, 0.3210, 0.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

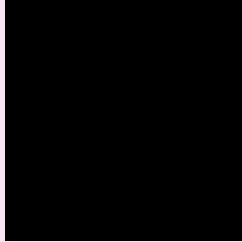
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

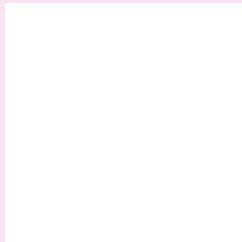
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9845, 0.3210, 0.3152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9845, 0.3210, 0.3152.

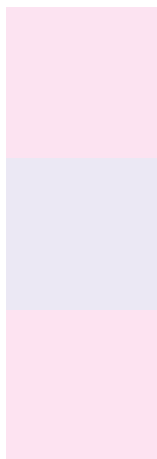


This preview shows how white text looks on a background with the Yxy color 81.9845, 0.3210, 0.3152.

# 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

81.9845, 0.3210, 0.3152

### Protanopia

81.9070, 0.3073, 0.3168

### Deuteranopia

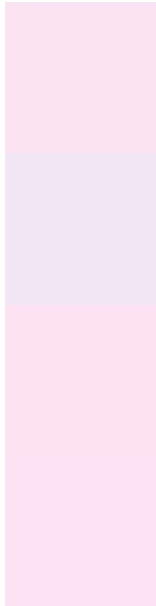
82.1717, 0.3217, 0.3152



## Tritanopia

81.6198, 0.3191, 0.3113

# Trichromacy



## Original Color

81.9845, 0.3210, 0.3152

## Protanomaly

81.7655, 0.3120, 0.3159

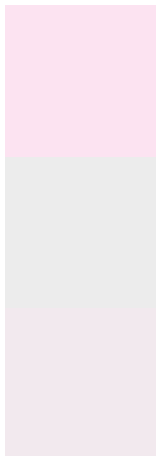
## Deuteranomaly

82.1717, 0.3217, 0.3152

## Tritanomaly

81.5592, 0.3197, 0.3122

# Monochromacy



## Original Color

81.9845, 0.3210, 0.3152

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.3281, 0.3157, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9845, 0.3210, 0.3152 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(252, 227, 241)` looks like.

```
.text, #text, p{  
    color:rgb(252, 227, 241)  
}
```

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(252, 227, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 227, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9845, 0.3210, 0.3152 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(252, 227, 241) }
```

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

```
.border{ border-color:rgb(252, 227, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(252, 227, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 227, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 227, 241);  
box-shadow:4px 4px 4px 4px rgb(252, 227,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9845, 0.3210, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 227, 241) }
```

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

```
.background{ background-color: rgb(252,  
227, 241) }
```

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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