

# Converting Colors

$Y_{xy}(83.9908, 0.3230, 0.3182)$

Have a look what the booklet for  
Yxy(83.9908, 0.3230, 0.3182)  
contains.

<b>Yxy(84.2045, 0.3228, 0.3182)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.2045, 0.3228, 0.3182)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE6F1
RGB	255, 230, 241
RGB Percent	100%, 90%, 95%
CMY	0.0000, 0.0980, 0.0547
CMYK	0.00, 0.10, 0.05, 0.00
HSL	333°, 100%, 95%
HSV	333°, 10%, 100%
XYZ	85.4218, 84.2045, 95.0013
YIQ	238.7290, 11.3690, 8.7210

# Conversions

## Conversions Part 2

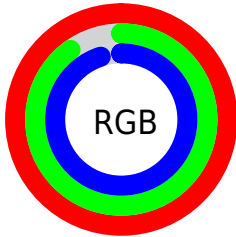
Format	Color
<b>R<sub>YB</sub></b>	255, 230, 241
Decimal	16770801
CIE Lab	93.54, 10.37, -2.25
CIE LCh	94, 10.607, 347.750
Yxy	84.2045, 0.3228, 0.3182
Android (android.graphics.Color)	4294960881 (0xFFFE6F1)
YUV	238.7290, 1.1196, 14.2697
Hunter-Lab	91.7630, 5.5796, 2.8518

# Details

The Yxy color **84.2045, 0.3228, 0.3182** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.8717, 0.3037, 0.3401**, and the grayscale version is **86.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7807, 0.3249, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **70.2181, 0.3353, 0.3066**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

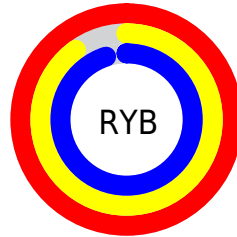
# Distribution



Red (100%)

Green (90%)

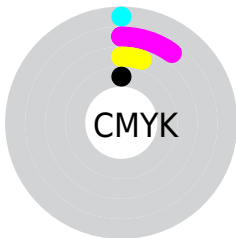
Blue (95%)



Red (100%)

Yellow (90%)

Blue (95%)

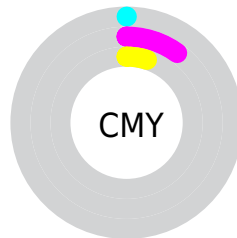


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2045, 0.3228, 0.3182 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 84.2045, 0.3228, 0.3182 by changing the saturation by 10% instead.



 84.2045, 0.3228,  
0.3182

 84.2045, 0.3228,  
0.3182

508.9921, 0.3183,  
0.3230

 63.1843, 0.3238,  
0.3171


139.2612, 0.3213,  
0.3198

 45.9903, 0.3250,  
0.3158


174.0665, 0.3206,  
0.3205

 32.2382, 0.3266,  
0.3142


214.2356, 0.3201,  
0.3211

 21.5435, 0.3285,  
0.3121

260.1529, 0.3197,  
0.3216

 13.5218, 0.3311,  
0.3094

312.2028, 0.3193,  
0.3220

 7.7889, 0.3348,  
0.3055

370.7697, 0.3189,

 3.9601, 0.3402,

0.3224

0.2999

436.2380, 0.3186,  
0.3227

■ 1.6513, 0.3493,  
0.2906

■ 0.3918, 0.3906,  
0.2447

■ 84.2045, 0.3228,  
0.3182

■ 84.2045, 0.3228,  
0.3182

■ 70.2181, 0.3353,  
0.3066

100.0000, 0.3127,  
0.3290

■ 58.2816, 0.3503,  
0.2946

■ 48.2984, 0.3684,  
0.2827

■ 40.1625, 0.3896,  
0.2716

■ 33.7579, 0.4140,  
0.2623

■ 28.9550, 0.4410,  
0.2561

■ 25.6060, 0.4696,  
0.2543

■ 23.5349, 0.4980,  
0.2579

■ 22.4611, 0.5247,  
0.2665

# Harmonies

## Analogous

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



84.2045, 0.3106, 0.3110



84.2045, 0.3228, 0.3182



84.2045, 0.3324, 0.3282

# Triad

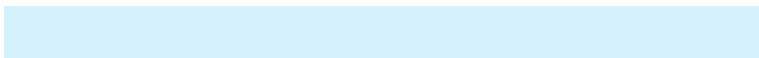
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2045, 0.3228, 0.3182



84.2045, 0.3262, 0.3503



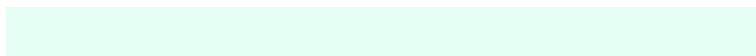
84.2045, 0.2893, 0.3186

# Complementary

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



84.2045, 0.3228, 0.3182



94.8717, 0.3037, 0.3401

# 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.



84.2045, 0.2934, 0.3293



84.2045, 0.3228, 0.3182



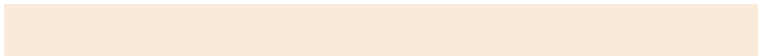
84.2045, 0.3145, 0.3480

# Square

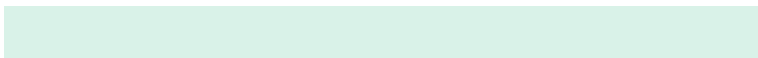
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



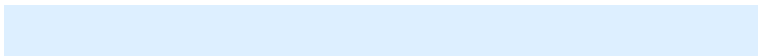
84.2045, 0.3228, 0.3182



84.2045, 0.3344, 0.3468



84.2045, 0.3025, 0.3402



84.2045, 0.2914, 0.3110

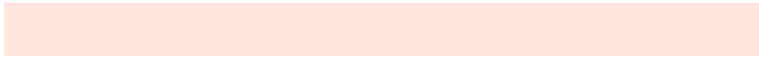


# Rectangle

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



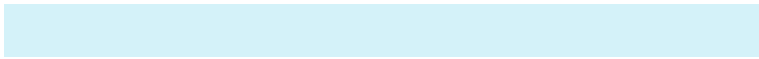
84.2045, 0.3228, 0.3182



84.2045, 0.3360, 0.3353



84.2045, 0.3025, 0.3402



84.2045, 0.2900, 0.3220

# Sweetspot

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



84.2058, 0.3228, 0.3182



94.9438, 0.3156, 0.3258



83.0007, 0.3063, 0.3043



20.0398, 0.3164, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

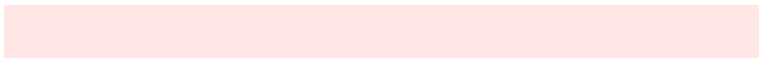
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2058, 0.3228, 0.3182



80.9547, 0.3253, 0.3157



84.2638, 0.3299, 0.3303



18.1204, 0.3225, 0.3185



11.7564, 0.5211, 0.2644



1.1662, 0.4927, 0.2488



# Inverse Universe

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



84.2058, 0.3228, 0.3182



80.9547, 0.3253, 0.3157



94.7676, 0.2976, 0.3277



18.1204, 0.3225, 0.3185



11.7564, 0.5211, 0.2644

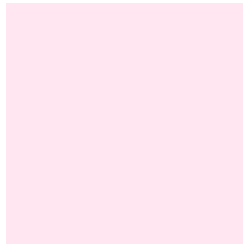


1.1662, 0.4927, 0.2488



# Previews

## White Background



This preview shows how the Yxy color 84.2045, 0.3228, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

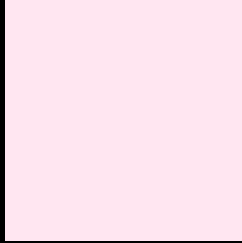
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2045, 0.3228, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

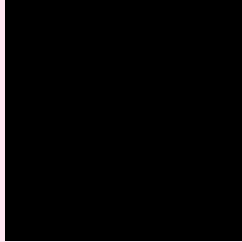
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.2045, 0.3228, 0.3182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2045, 0.3228, 0.3182.

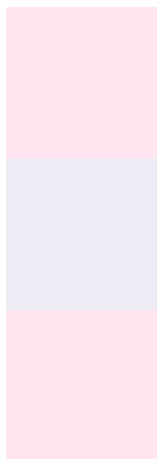


This preview shows how white text looks on a background with the Yxy color 84.2045, 0.3228, 0.3182.

# 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

84.2045, 0.3228, 0.3182

### Protanopia

84.1255, 0.3092, 0.3199

### Deuteranopia

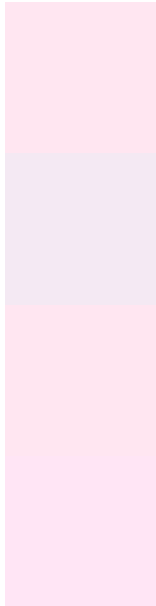
84.2045, 0.3228, 0.3182



## Tritanopia

84.0140, 0.3190, 0.3115

# Trichromacy



## Original Color

84.2045, 0.3228, 0.3182

## Protanomaly

83.9820, 0.3139, 0.3190

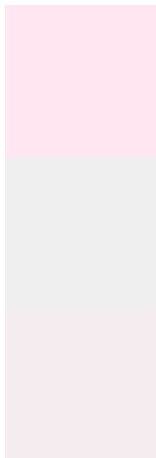
## Deuteranomaly

84.2045, 0.3228, 0.3182

## Tritanomaly

83.8912, 0.3203, 0.3134

# Monochromacy



## Original Color

84.2045, 0.3228, 0.3182

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

85.6947, 0.3162, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2045, 0.3228, 0.3182 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, 230, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2045, 0.3228, 0.3182 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, 230, 241) }
```

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

```
.border{ border-color:rgb(255, 230, 241) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2045, 0.3228, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 241) }
```

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

```
.background{ background-color: rgb(255,  
230, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor