

# Converting Colors

Yxy(86.1456, 0.3171, 0.3125)

Have a look what the booklet for  
Yxy(86.1456, 0.3171, 0.3125)  
contains.

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# Color

**Yxy(86.4400, 0.3168, 0.3125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9FA
RGB	255, 233, 250
RGB Percent	100%, 91%, 98%
CMY	0.0001, 0.0862, 0.0195
CMYK	0.00, 0.09, 0.02, 0.00
HSL	313°, 100%, 96%
HSV	313°, 9%, 100%
XYZ	87.6294, 86.4400, 102.5386
YIQ	241.5160, 7.6550, 9.9510

# Conversions

## Conversions Part 2

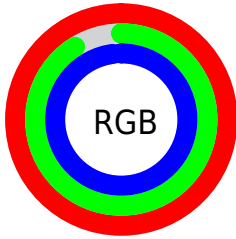
Format	Color
R <sub>YB</sub>	255, 233, 250
Decimal	16771578
CIE Lab	94.50, 10.35, -5.52
CIE LCh	95, 11.726, 331.917
Yxy	86.4400, 0.3168, 0.3125
Android (android.graphics.Color)	4294961658 (0xFFFFE9FA)
YUV	241.5160, 4.1826, 11.8255
Hunter-Lab	92.9731, 5.5376, -0.3088

# Details

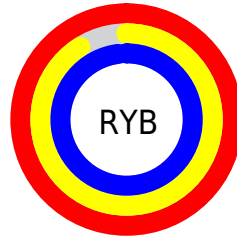
The Yxy color **86.4400, 0.3168, 0.3125** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.9945, 0.3089, 0.3461**, and the grayscale version is **88.3537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3451, 0.3172, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **72.6810, 0.3223, 0.2926**, and if you desaturate by 10%, it is **99.9937, 0.3127, 0.3290**.

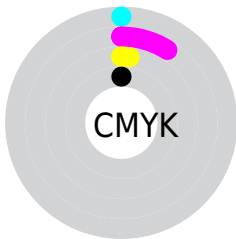
# Distribution



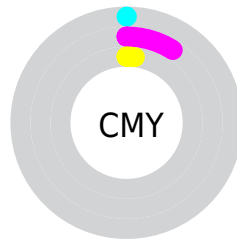
- Red (100%)
- Green (91%)
- Blue (98%)



- Red (100%)
- Yellow (91%)
- Blue (98%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4400, 0.3168, 0.3125 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 86.4400, 0.3168, 0.3125 by changing the saturation by 10% instead.




 86.4400, 0.3168,  
0.3125

 86.4400, 0.3168,  
0.3125


516.3809, 0.3150,  
0.3198

 65.0319, 0.3172,  
0.3109


142.3833, 0.3162,  
0.3150

 47.4869, 0.3176,  
0.3090


177.6873, 0.3160,  
0.3160

 33.4208, 0.3182,  
0.3066


218.3921, 0.3158,  
0.3168

 22.4490, 0.3189,  
0.3035

264.8820, 0.3156,  
0.3176

 14.1872, 0.3199,  
0.2995

317.5414, 0.3154,  
0.3182

 8.2510, 0.3212,  
0.2940

376.7548, 0.3153,

 4.2559, 0.3230,

0.3188

0.2859

442.9065, 0.3151,  
0.3193

■ 1.8177, 0.3258,  
0.2731

■ 0.4982, 0.3373,  
0.2314

■ 86.4400, 0.3168,  
0.3125

■ 86.4400, 0.3168,  
0.3125

■ 72.6810, 0.3223,  
0.2926

99.9937, 0.3127,  
0.3290

■ 60.9256, 0.3286,  
0.2724

■ 51.0822, 0.3357,  
0.2526

■ 43.0473, 0.3436,  
0.2339

■ 36.7079, 0.3521,  
0.2175

■ 31.9379, 0.3611,  
0.2043

■ 28.5938, 0.3702,  
0.1953

■ 26.5057, 0.3791,  
0.1911

■ 25.4319, 0.3877,  
0.1914

# Harmonies

## Analogous

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



86.4400, 0.3034, 0.3071



86.4400, 0.3168, 0.3125



86.4400, 0.3293, 0.3221

# Triad

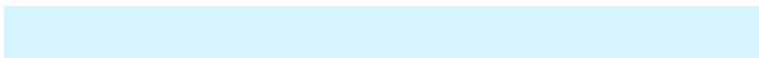
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4400, 0.3168, 0.3125



86.4400, 0.3329, 0.3511



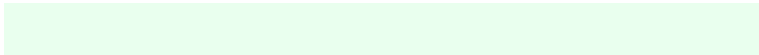
86.4400, 0.2886, 0.3235

# Complementary

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



86.4400, 0.3168, 0.3125



94.9945, 0.3089, 0.3461

# 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.



86.4400, 0.2962, 0.3358



86.4400, 0.3168, 0.3125



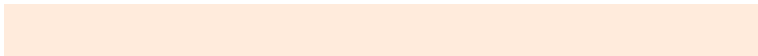
86.4400, 0.3217, 0.3520

# Square

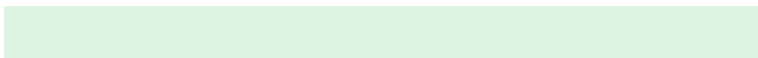
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



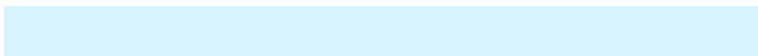
86.4400, 0.3168, 0.3125



86.4400, 0.3387, 0.3443



86.4400, 0.3083, 0.3464



86.4400, 0.2874, 0.3131

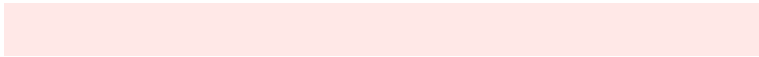


# Rectangle

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



86.4400, 0.3168, 0.3125



86.4400, 0.3354, 0.3298



86.4400, 0.3083, 0.3464



86.4400, 0.2905, 0.3276

# Sweetspot

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



86.4437, 0.3168, 0.3125



95.1057, 0.3141, 0.3233



83.6407, 0.3024, 0.3071



20.0836, 0.3145, 0.3218



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.



86.4437, 0.3168, 0.3125



84.4324, 0.3175, 0.3098



85.7850, 0.3237, 0.3229



18.2265, 0.3173, 0.3108



13.2568, 0.3875, 0.1908



1.3071, 0.3784, 0.1858



# Inverse Universe

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



86.4437, 0.3168, 0.3125



84.4324, 0.3175, 0.3098



95.6486, 0.3028, 0.3352



18.2265, 0.3173, 0.3108



13.2568, 0.3875, 0.1908



1.3071, 0.3784, 0.1858



# Previews

## White Background



This preview shows how the Yxy color 86.4400, 0.3168, 0.3125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

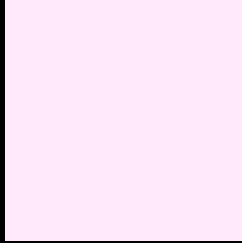
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4400, 0.3168, 0.3125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

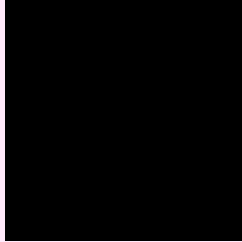
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

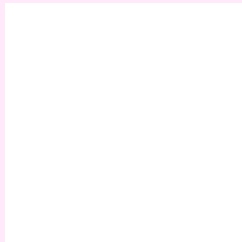
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.4400, 0.3168, 0.3125**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4400, 0.3168, 0.3125.



This preview shows how white text looks on a background with the Yxy color 86.4400, 0.3168, 0.3125.

# 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

86.4400, 0.3168, 0.3125

### Protanopia

86.7662, 0.3049, 0.3141

### Deuteranopia

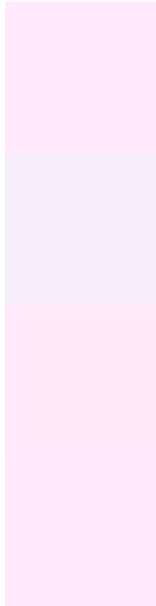
86.3774, 0.3175, 0.3135



## Tritanopia

86.5029, 0.3162, 0.3116

# Trichromacy



## Original Color

86.4400, 0.3168, 0.3125

## Protanomaly

86.4317, 0.3088, 0.3132

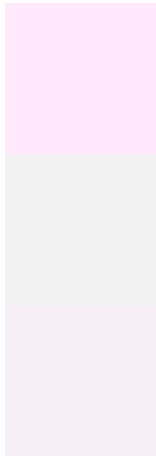
## Deuteranomaly

86.3774, 0.3175, 0.3135

## Tritanomaly

86.5029, 0.3162, 0.3116

# Monochromacy



## Original Color

86.4400, 0.3168, 0.3125

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.0997, 0.3143, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4400, 0.3168, 0.3125 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4400, 0.3168, 0.3125 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, 250) }
```

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

```
.border{ border-color:rgb(255, 233, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4400, 0.3168, 0.3125 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
233, 250) }
```

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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