

# Converting Colors

$Yxy(86.6805, 0.3825, 0.4250)$

Have a look what the booklet for  
Yxy(86.6805, 0.3825, 0.4250)  
contains.

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# Color

**Yxy(86.8086, 0.3822, 0.4248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF291
RGB	255, 242, 145
RGB Percent	100%, 95%, 57%
CMY	0.0000, 0.0510, 0.4312
CMYK	0.00, 0.05, 0.43, 0.00
HSL	53°, 100%, 78%
HSV	53°, 43%, 100%
XYZ	78.1032, 86.8086, 39.4399
YIQ	234.8290, 38.8850, -27.4110

# Conversions

## Conversions Part 2

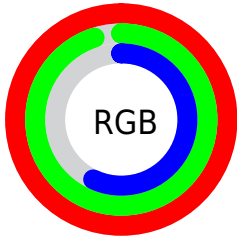
Format	Color
R <sub>Y</sub> B	160, 255, 145
Decimal	16773777
CIE Lab	94.66, -8.65, 48.22
CIE LCh	95, 48.989, 100.165
Yxy	86.8086, 0.3822, 0.4248
Android (android.graphics.Color)	4294963857 (0xFFFFFFFF291)
YUV	234.8290, -44.2857, 17.6900
Hunter-Lab	93.1711, -13.4170, 40.1220

# Details

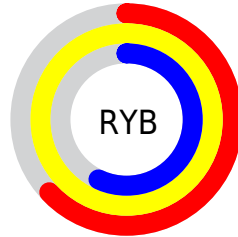
The Yxy color **86.8086, 0.3822, 0.4248** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.7032, 0.2340, 0.2102**, and the grayscale version is **83.2660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **47.7608, 0.3959, 0.4448** is the 20% darker color. If you saturate the color by 10%, you get **84.3339, 0.3978, 0.4445**, and if you desaturate by 10%, it is **89.4974, 0.3658, 0.4032**.

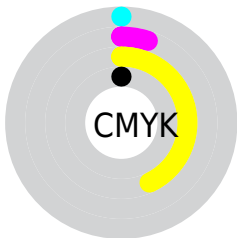
# Distribution



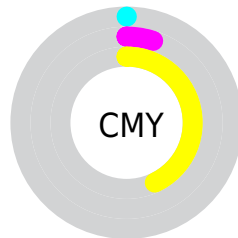
- Red (100%)
- Green (95%)
- Blue (57%)



- Red (63%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (5%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8086, 0.3822, 0.4248 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 86.8086, 0.3822, 0.4248 by changing the saturation by 10% instead.




 86.8086, 0.3822,  
0.4248


 86.8086, 0.3822,  
0.4248


517.5937, 0.3525,  
0.3822

 65.3368, 0.3882,  
0.4339


 142.8973, 0.3725,  
0.4105

 47.7343, 0.3952,  
0.4447


 178.2831, 0.3685,  
0.4048

 33.6165, 0.4034,  
0.4577


219.0756, 0.3650,  
0.3998

 22.5991, 0.4128,  
0.4735

265.6593, 0.3620,  
0.3955

 14.2978, 0.4233,  
0.4927

318.4186, 0.3592,  
0.3916

 8.3281, 0.4343,  
0.5158

377.7378, 0.3567,

 4.3056, 0.4495,

0.3881

0.5505

444.0014, 0.3545,  
0.3850

■ 1.8459, 0.4369,  
0.5631

■ 0.5156, 0.3511,  
0.6489

■ 86.8086, 0.3822,  
0.4248

■ 86.8086, 0.3822,  
0.4248

■ 84.3339, 0.3978,  
0.4445

■ 89.4974, 0.3658,  
0.4032

■ 82.0492, 0.4118,  
0.4613

■ 92.3992, 0.3492,  
0.3806

■ 79.9448, 0.4237,  
0.4742

■ 95.5281, 0.3329,  
0.3579

■ 78.0052, 0.4329,  
0.4826

■ 98.8936, 0.3174,  
0.3357

■ 76.2113, 0.4392,  
0.4865

99.9988, 0.3127,  
0.3290

■ 75.0432, 0.4422,  
0.4871

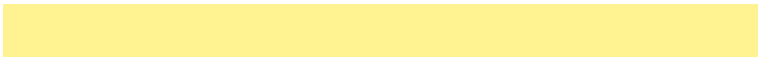
# Harmonies

## Analogous

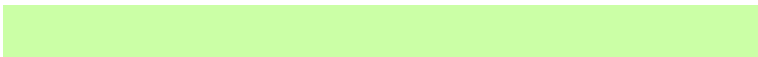
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8086, 0.4166, 0.3955



86.8086, 0.3822, 0.4248



86.8086, 0.3308, 0.4275

# Triad

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



86.8086, 0.3822, 0.4248



86.8086, 0.2145, 0.2883



86.8086, 0.3432, 0.2738

# Complementary

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



86.8086, 0.3822, 0.4248



37.7032, 0.2340, 0.2102

# 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.



86.8086, 0.2869, 0.2490



86.8086, 0.3822, 0.4248



86.8086, 0.2170, 0.2539

# Square

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



86.8086, 0.3822, 0.4248



86.8086, 0.2353, 0.3408



86.8086, 0.2421, 0.2413



86.8086, 0.3945, 0.3109

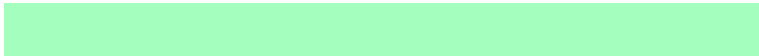


# Rectangle

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



86.8086, 0.3822, 0.4248



86.8086, 0.2943, 0.4097



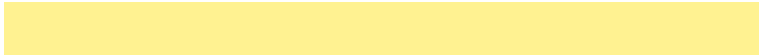
86.8086, 0.2421, 0.2413



86.8086, 0.3240, 0.2639

# Sweetspot

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



86.8126, 0.3822, 0.4248



95.5733, 0.3327, 0.3576



44.0474, 0.4111, 0.3139



20.3044, 0.3363, 0.3626



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

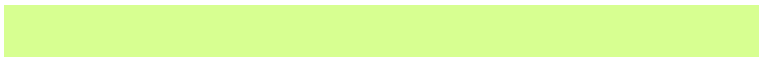
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8126, 0.3822, 0.4248



84.6070, 0.3961, 0.4424



87.9593, 0.3494, 0.4467



20.7028, 0.3272, 0.3498



39.3593, 0.4418, 0.4874



3.9314, 0.4389, 0.4897



# Inverse Universe

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



37.7032, 0.2340, 0.2102



29.5812, 0.2158, 0.1812



37.8389, 0.2603, 0.2040



17.7231, 0.2979, 0.3073



4.3691, 0.1524, 0.0684

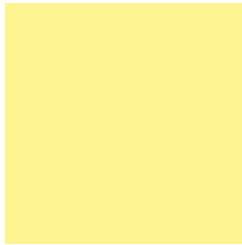


0.5308, 0.1564, 0.0830



# Previews

## White Background



This preview shows how the Yxy color 86.8086, 0.3822, 0.4248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

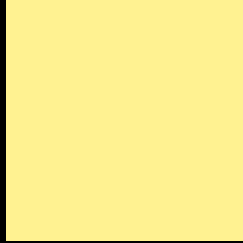
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8086, 0.3822, 0.4248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

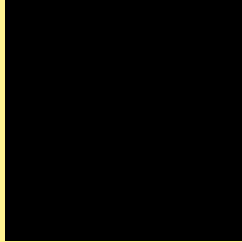
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.8086, 0.3822, 0.4248**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8086, 0.3822, 0.4248.

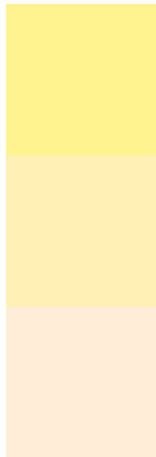


This preview shows how white text looks on a background with the Yxy color 86.8086, 0.3822, 0.4248.

# 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

86.8086, 0.3822, 0.4248

### Protanopia

86.9576, 0.3600, 0.3872

### Deuteranopia

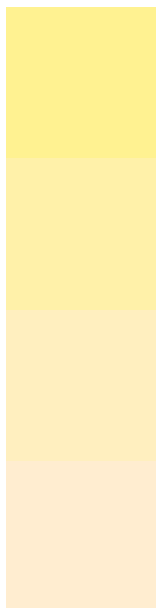
86.8903, 0.3371, 0.3479



## Tritanopia

86.6373, 0.3206, 0.3193

# Trichromacy



## Original Color

86.8086, 0.3822, 0.4248

## Protanomaly

87.0352, 0.3680, 0.4010

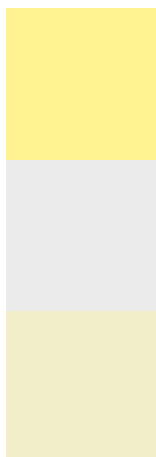
## Deuteranomaly

86.7546, 0.3544, 0.3772

## Tritanomaly

86.3824, 0.3436, 0.3580

# Monochromacy



## Original Color

86.8086, 0.3822, 0.4248

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

84.2906, 0.3382, 0.3662

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8086, 0.3822, 0.4248 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, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 145)  
}
```

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, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8086, 0.3822, 0.4248 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, 242, 145) }
```

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

```
.border{ border-color:rgb(255, 242, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8086, 0.3822, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 145) }
```

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

```
.background{ background-color: rgb(255,  
242, 145) }
```

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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