

# Converting Colors

$Yxy(84.9014, 0.3825, 0.4270)$

Have a look what the booklet for  
Yxy(84.9014, 0.3825, 0.4270)  
contains.

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# **Color**

**Yxy(84.9686, 0.3826, 0.4267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF08E
RGB	252, 240, 142
RGB Percent	99%, 94%, 56%
CMY	0.0118, 0.0588, 0.4431
CMYK	0.00, 0.05, 0.44, 0.01
HSL	53°, 95%, 77%
HSV	53°, 44%, 99%
XYZ	76.1870, 84.9686, 37.9740
YIQ	232.4160, 38.6100, -27.9340

# Conversions

## Conversions Part 2

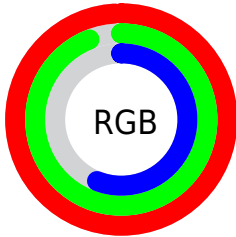
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 252, 142
Decimal	16576654
CIE <sub>Lab</sub>	93.87, -9.11, 48.65
CIE <sub>LCh</sub>	94, 49.497, 100.610
Yxy	84.9686, 0.3826, 0.4267
Android (android.graphics.Color)	4294766734 (0xFFFCF08E)
YUV	232.4160, -44.5751, 17.1752
Hunter-Lab	92.1784, -13.7790, 40.0997

# Details

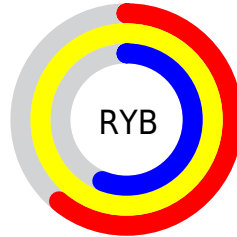
The Yxy color **84.9686, 0.3826, 0.4267** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.8865, 0.2327, 0.2074**, and the grayscale version is **81.3451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **46.4716, 0.3964, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **82.6938, 0.3979, 0.4464**, and if you desaturate by 10%, it is **87.4468, 0.3664, 0.4050**.

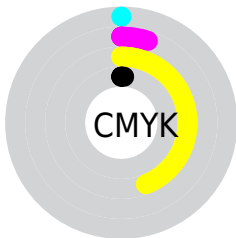
# Distribution



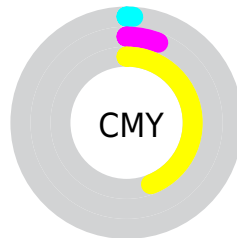
- Red (99%)
- Green (94%)
- Blue (56%)



- Red (61%)
- Yellow (99%)
- Blue (56%)



- Cyan (0%)
- Magenta (5%)
- Yellow (44%)
- Black (1%)




- Cyan (1%)
- Magenta (6%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9686, 0.3826, 0.4267 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 84.9686, 0.3826, 0.4267 by changing the saturation by 10% instead.



 84.9686, 0.3826,  
0.4267


 84.9686, 0.3826,  
0.4267


511.5242, 0.3527,  
0.3831

 63.8154, 0.3887,  
0.4360

 140.3293, 0.3728,  
0.4120

 46.5012, 0.3957,  
0.4471

 175.3056, 0.3688,  
0.4062

 32.6415, 0.4039,  
0.4605


215.6585, 0.3653,  
0.4011

 21.8520, 0.4133,  
0.4768

261.7722, 0.3622,  
0.3966

 13.7482, 0.4236,  
0.4965

314.0313, 0.3594,  
0.3927

 7.9457, 0.4346,  
0.5207

372.8200, 0.3570,

 4.0602, 0.4466,

0.3891

0.5534

438.5228, 0.3547,  
0.3859

■ 1.7073, 0.4327,  
0.5673

■ 0.4284, 0.3013,  
0.6987

■ 84.9686, 0.3826,  
0.4267

■ 84.9686, 0.3826,  
0.4267

■ 82.6938, 0.3979,  
0.4464

■ 87.4468, 0.3664,  
0.4050

■ 80.5988, 0.4116,  
0.4631

■ 90.1274, 0.3499,  
0.3822

■ 78.6745, 0.4230,  
0.4759

■ 93.0241, 0.3337,  
0.3593

■ 76.9053, 0.4318,  
0.4842

■ 96.1460, 0.3182,  
0.3370

■ 75.2727, 0.4377,  
0.4880

■ 98.6362, 0.3109,  
0.3278

■ 74.2901, 0.4403,  
0.4886

■ 99.4353, 0.3109,  
0.3290

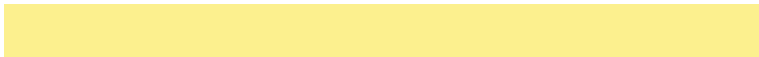
# Harmonies

## Analogous

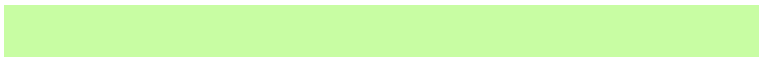
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9686, 0.4180, 0.3970



84.9686, 0.3826, 0.4267



84.9686, 0.3302, 0.4291

# Triad

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



84.9686, 0.3826, 0.4267



84.9686, 0.2128, 0.2869



84.9686, 0.3445, 0.2734

# Complementary

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



84.9686, 0.3826, 0.4267



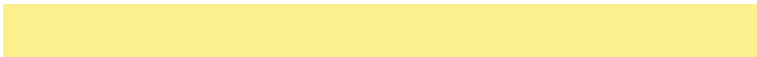
35.8865, 0.2327, 0.2074

# 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.



84.9686, 0.2872, 0.2480



84.9686, 0.3826, 0.4267



84.9686, 0.2157, 0.2523

# Square

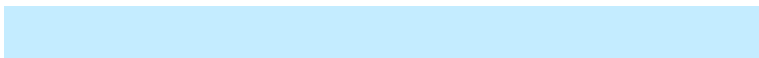
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9686, 0.3826, 0.4267



84.9686, 0.2335, 0.3401



84.9686, 0.2415, 0.2399



84.9686, 0.3966, 0.3112

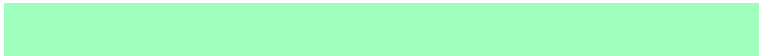


# Rectangle

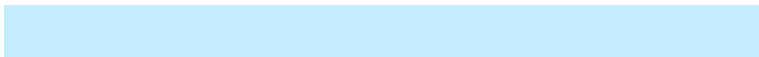
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9686, 0.3826, 0.4267



84.9686, 0.2931, 0.4107



84.9686, 0.2415, 0.2399



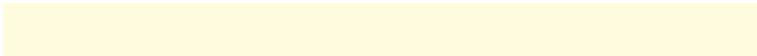
84.9686, 0.3250, 0.2633

# Sweetspot

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



84.9725, 0.3826, 0.4267



95.7617, 0.3327, 0.3579



42.4013, 0.4149, 0.3157



20.3514, 0.3362, 0.3629



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.



84.9725, 0.3826, 0.4267



85.3161, 0.3955, 0.4434



85.2503, 0.3485, 0.4486



19.8484, 0.3272, 0.3499



38.8331, 0.4399, 0.4889



3.6862, 0.4371, 0.4911



# Inverse Universe

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



35.8865, 0.2327, 0.2074



29.2372, 0.2155, 0.1797



36.5840, 0.2609, 0.2029



16.9475, 0.2979, 0.3072



4.1818, 0.1521, 0.0676

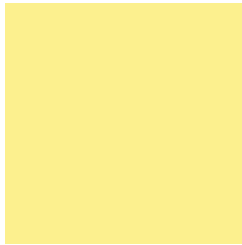


0.4839, 0.1562, 0.0821



# Previews

## White Background



This preview shows how the Yxy color 84.9686, 0.3826, 0.4267 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

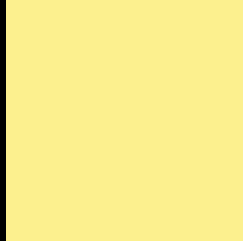
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9686, 0.3826, 0.4267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

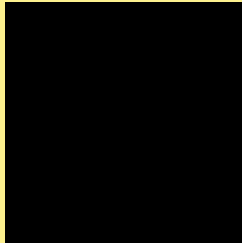
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9686, 0.3826, 0.4267**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9686, 0.3826, 0.4267.

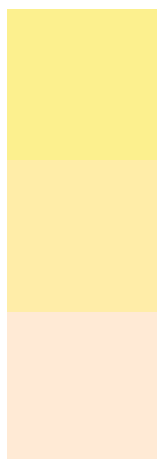


This preview shows how white text looks on a background with the Yxy color 84.9686, 0.3826, 0.4267.

# 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

84.9686, 0.3826, 0.4267

### Protanopia

84.6555, 0.3699, 0.3984

### Deuteranopia

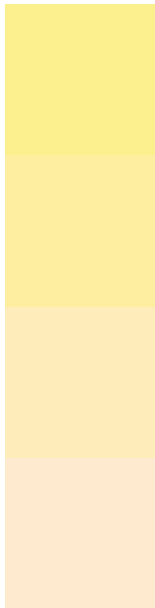
84.9097, 0.3408, 0.3500



## Tritanopia

84.8829, 0.3214, 0.3173

# Trichromacy



## Original Color

84.9686, 0.3826, 0.4267

## Protanomaly

84.7231, 0.3745, 0.4083

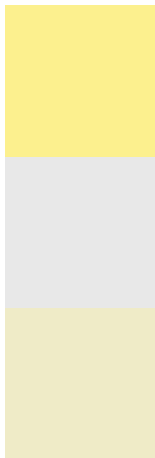
## Deuteranomaly

84.6496, 0.3570, 0.3785

## Tritanomaly

84.3727, 0.3448, 0.3572

# Monochromacy



## Original Color

84.9686, 0.3826, 0.4267

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.8909, 0.3385, 0.3666

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9686, 0.3826, 0.4267 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, 240, 142)` looks like.

```
.text, #text, p{  
    color:rgb(252, 240, 142)  
}
```

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, 240, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 240, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9686, 0.3826, 0.4267 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, 240, 142) }
```

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

```
.border{ border-color:rgb(252, 240, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 240, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 240, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 240, 142);  
box-shadow:4px 4px 4px 4px rgb(252, 240,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9686, 0.3826, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 240, 142) }
```

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

```
.background{ background-color: rgb(252,  
240, 142) }
```

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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