

# Converting Colors

$Y_{xy}(87.1967, 0.3521, 0.3743)$

Have a look what the booklet for  
Yxy(87.1967, 0.3521, 0.3743)  
contains.

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# **Color**

**Yxy(87.4752, 0.3522, 0.3751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0C2
RGB	255, 240, 194
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0588, 0.2392
CMYK	0.00, 0.06, 0.24, 0.00
HSL	45°, 100%, 88%
HSV	45°, 24%, 100%
XYZ	82.1348, 87.4752, 63.5950
YIQ	239.2410, 23.7060, -11.1260

# Conversions

## Conversions Part 2

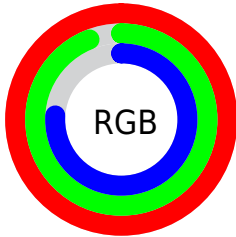
Format	Color
<b>RYB</b>	214, 255, 194
Decimal	16773314
CIELab	94.94, -1.94, 24.10
CIELCh	95, 24.173, 94.603
Yxy	87.4752, 0.3522, 0.3751
Android (android.graphics.Color)	4294963394 (0xFFFFF0C2)
YUV	239.2410, -22.3038, 13.8206
Hunter-Lab	93.5282, -6.9187, 25.1552

# Details

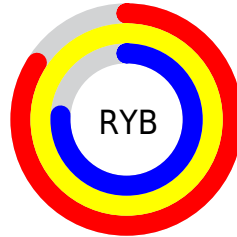
The Yxy color **87.4752, 0.3522, 0.3751** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.2816, 0.2731, 0.2782**, and the grayscale version is **86.6788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **48.1802, 0.3611, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **82.8055, 0.3706, 0.3949**, and if you desaturate by 10%, it is **92.4767, 0.3348, 0.3554**.

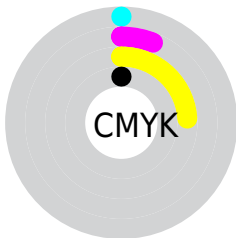
# Distribution



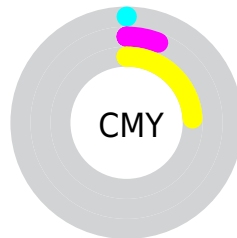
- Red (100%)
- Green (94%)
- Blue (76%)



- Red (84%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4752, 0.3522, 0.3751 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 87.4752, 0.3522, 0.3751 by changing the saturation by 10% instead.



87.4752, 0.3522,  
0.3751

87.4752, 0.3522,  
0.3751

519.7831, 0.3346,  
0.3545

65.8885, 0.3560,  
0.3796

143.8263, 0.3463,  
0.3681

48.1819, 0.3607,  
0.3851

179.3595, 0.3439,  
0.3653

33.9710, 0.3664,  
0.3920

220.3104, 0.3419,  
0.3629

22.8713, 0.3736,  
0.4006

267.0633, 0.3401,  
0.3608

14.4985, 0.3829,  
0.4119

320.0026, 0.3385,  
0.3589

8.4682, 0.3953,  
0.4271

379.5128, 0.3371,

4.3960, 0.4122,

0.3573

0.4483

445.9781, 0.3358,  
0.3558

■ 1.8974, 0.4615,  
0.5074

■ 0.5468, 0.4635,  
0.5365

■ 87.4752, 0.3522,  
0.3751

■ 87.4752, 0.3522,  
0.3751

■ 82.8055, 0.3706,  
0.3949

■ 92.4767, 0.3348,  
0.3554

■ 78.4443, 0.3895,  
0.4140

■ 97.8087, 0.3187,  
0.3362

■ 74.3836, 0.4083,  
0.4314

99.9980, 0.3127,  
0.3290

■ 70.6099, 0.4262,  
0.4461

■ 67.1082, 0.4424,  
0.4570

■ 63.8616, 0.4560,  
0.4633

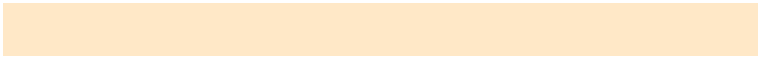
■ 60.8494, 0.4666,  
0.4647

■ 59.1146, 0.4718,  
0.4636

# Harmonies

## Analogous

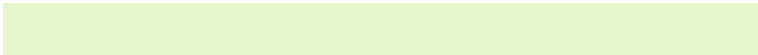
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4752, 0.3659, 0.3609



87.4752, 0.3522, 0.3751



87.4752, 0.3281, 0.3768

# Triad

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



87.4752, 0.3522, 0.3751



87.4752, 0.2633, 0.3147



87.4752, 0.3232, 0.2974

# Complementary

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



87.4752, 0.3522, 0.3751



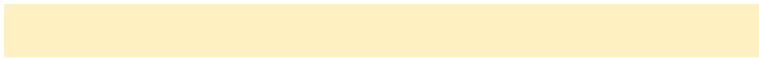
64.2816, 0.2731, 0.2782

# Split Complementary

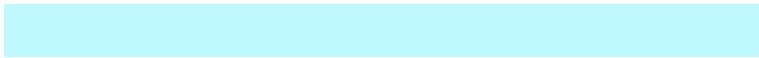
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4752, 0.2956, 0.2857



87.4752, 0.3522, 0.3751



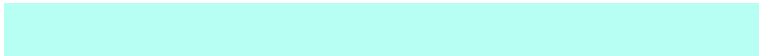
87.4752, 0.2621, 0.2945

# Square

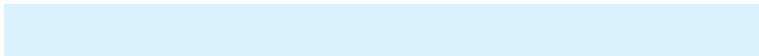
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4752, 0.3522, 0.3751



87.4752, 0.2772, 0.3406



87.4752, 0.2736, 0.2844



87.4752, 0.3488, 0.3167

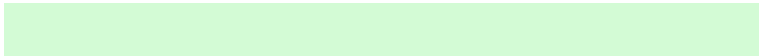


# Rectangle

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



87.4752, 0.3522, 0.3751



87.4752, 0.3098, 0.3697



87.4752, 0.2736, 0.2844



87.4752, 0.3138, 0.2925

# Sweetspot

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



87.4791, 0.3522, 0.3751



96.1376, 0.3235, 0.3421



64.4588, 0.3504, 0.3134



20.5078, 0.3245, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

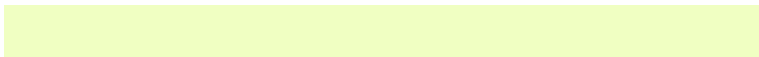
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4791, 0.3522, 0.3751



85.0717, 0.3614, 0.3852



93.8888, 0.3388, 0.3910



20.2904, 0.3275, 0.3468



31.1385, 0.4708, 0.4644



3.2030, 0.4636, 0.4701



# Inverse Universe

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



64.2816, 0.2731, 0.2782



57.9952, 0.2638, 0.2656



59.3961, 0.2821, 0.2630



18.1023, 0.2979, 0.3105



5.8037, 0.1577, 0.0876



0.7279, 0.1634, 0.1083



# Previews

## White Background



This preview shows how the Yxy color 87.4752, 0.3522, 0.3751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

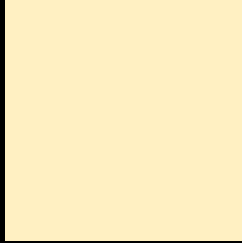
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4752, 0.3522, 0.3751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

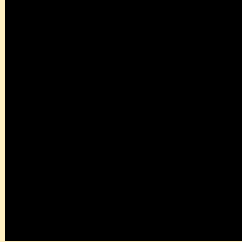
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.4752, 0.3522, 0.3751**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4752, 0.3522, 0.3751.



This preview shows how white text looks on a background with the Yxy color 87.4752, 0.3522, 0.3751.

# 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

87.4752, 0.3522, 0.3751

### Protanopia

87.4752, 0.3522, 0.3751

### Deuteranopia

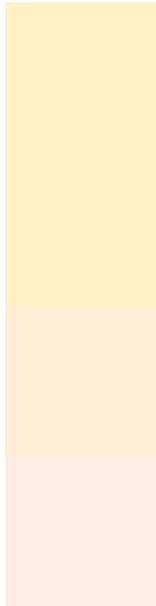
87.3194, 0.3319, 0.3399



## Tritanopia

87.3921, 0.3186, 0.3174

# Trichromacy



## Original Color

87.4752, 0.3522, 0.3751

## Protanomaly

87.4752, 0.3522, 0.3751

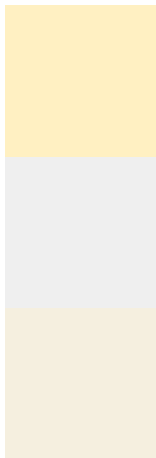
## Deuteranomaly

87.2641, 0.3395, 0.3529

## Tritanomaly

87.4298, 0.3306, 0.3379

# Monochromacy



## Original Color

87.4752, 0.3522, 0.3751

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.4732, 0.3267, 0.3452

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4752, 0.3522, 0.3751 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, 240, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 194)  
}
```

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, 240, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4752, 0.3522, 0.3751 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, 240, 194) }
```

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

```
.border{ border-color:rgb(255, 240, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4752, 0.3522, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 194) }
```

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

```
.background{ background-color: rgb(255,  
240, 194) }
```

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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