

# Converting Colors

$Yxy(90.2989, 0.3453, 0.3827)$

Have a look what the booklet for  
Yxy(90.2989, 0.3453, 0.3827)  
contains.

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# Color

**Yxy(90.1907, 0.3452, 0.3826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7C2
RGB	247, 247, 194
RGB Percent	97%, 97%, 76%
CMY	0.0311, 0.0314, 0.2392
CMYK	0.00, 0.00, 0.21, 0.03
HSL	60°, 77%, 86%
HSV	60°, 21%, 97%
XYZ	81.3744, 90.1907, 64.1660
YIQ	240.9580, 17.0130, -16.4830

# Conversions

## Conversions Part 2

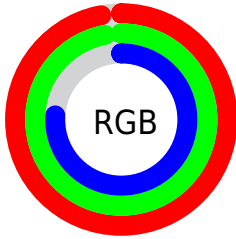
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 247, 194
Decimal	16250818
CIELab	96.08, -8.31, 25.56
CIElCh	96, 26.873, 108.017
Yxy	90.1907, 0.3452, 0.3826
Android (android.graphics.Color)	4294440898 (0xFFFF7F7C2)
YUV	240.9580, -23.1503, 5.2988
Hunter-Lab	94.9688, -13.2470, 26.4187

# Details

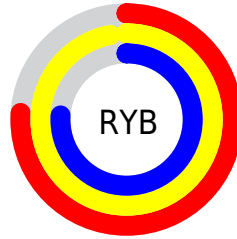
The Yxy color **90.1907, 0.3452, 0.3826** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.8165, 0.2764, 0.2691**, and the grayscale version is **88.1138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **50.1022, 0.3516, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **89.1524, 0.3604, 0.4076**, and if you desaturate by 10%, it is **91.4216, 0.3299, 0.3573**.

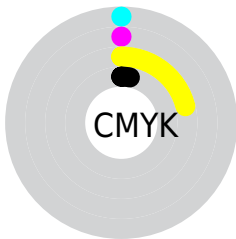
# Distribution



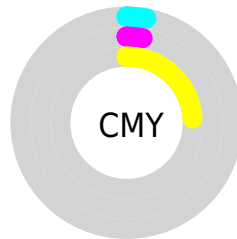
- Red (97%)
- Green (97%)
- Blue (76%)



- Red (76%)
- Yellow (97%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (3%)




- Cyan (3%)
- Magenta (3%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1907, 0.3452, 0.3826 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 90.1907, 0.3452, 0.3826 by changing the saturation by 10% instead.




 90.1907, 0.3452,  
0.3826

 90.1907, 0.3452,  
0.3826


528.6510, 0.3310,  
0.3584

 68.1388, 0.3482,  
0.3879


 147.6033, 0.3405,  
0.3744

 50.0107, 0.3519,  
0.3945

183.7327, 0.3386,  
0.3711

 35.4219, 0.3563,  
0.4026


225.3235, 0.3369,  
0.3683

 23.9880, 0.3618,  
0.4129

272.7600, 0.3354,  
0.3658

 15.3247, 0.3687,  
0.4265

326.4266, 0.3342,  
0.3637

 9.0476, 0.3777,  
0.4450

386.7077, 0.3330,

 4.7723, 0.3892,

0.3617

0.4713

453.9877, 0.3320,  
0.3600

■ 2.1143, 0.4241,  
0.5375

■ 0.6726, 0.3935,  
0.6065

■ 90.1907, 0.3452,  
0.3826

■ 90.1907, 0.3452,  
0.3826

■ 89.1524, 0.3604,  
0.4076

■ 91.4216, 0.3299,  
0.3573

■ 88.2855, 0.3748,  
0.4315

■ 92.8416, 0.3149,  
0.3326


■ 87.5842, 0.3880,  
0.4532

■ 93.5874, 0.3081,  
0.3213


■ 87.0375, 0.3993,  
0.4718


■ 93.6102, 0.3081,  
0.3214

 86.6334, 0.4082,  
0.4864


 93.6330, 0.3081,  
0.3214


 86.3578, 0.4145,  
0.4967

 93.6559, 0.3081,  
0.3214

 86.1940, 0.4181,  
0.5027

 93.6787, 0.3081,  
0.3215

 86.1202, 0.4196,  
0.5050

 93.7015, 0.3080,  
0.3215

 93.7244, 0.3080,  
0.3215

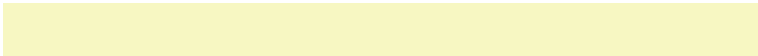
# Harmonies

## Analogous

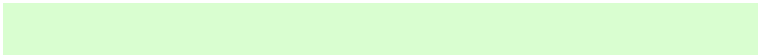
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1907, 0.3663, 0.3723



90.1907, 0.3452, 0.3826



90.1907, 0.3160, 0.3774

# Triad

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



90.1907, 0.3452, 0.3826



90.1907, 0.2562, 0.3020



90.1907, 0.3376, 0.3030

# Complementary

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



90.1907, 0.3452, 0.3826



56.8165, 0.2764, 0.2691

# 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.



90.1907, 0.3071, 0.2861



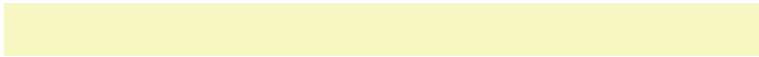
90.1907, 0.3452, 0.3826



90.1907, 0.2612, 0.2846

# Square

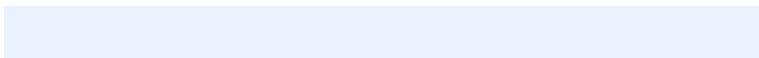
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



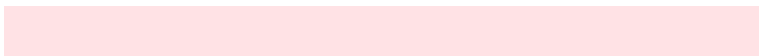
90.1907, 0.3452, 0.3826



90.1907, 0.2654, 0.3286



90.1907, 0.2794, 0.2793



90.1907, 0.3621, 0.3264

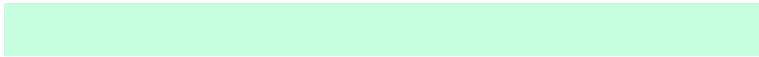


# Rectangle

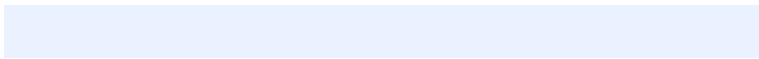
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1907, 0.3452, 0.3826



90.1907, 0.2961, 0.3652



90.1907, 0.2794, 0.2793



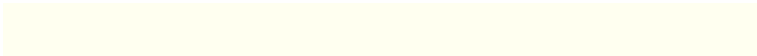
90.1907, 0.3277, 0.2965

# Sweetspot

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



90.1947, 0.3452, 0.3826



99.0387, 0.3216, 0.3437



62.3118, 0.3556, 0.3282



21.1770, 0.3226, 0.3453



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.



90.1947, 0.3452, 0.3826



96.3773, 0.3522, 0.3941



85.8964, 0.3277, 0.3858



19.3091, 0.3269, 0.3523



45.5206, 0.4196, 0.5050



4.0022, 0.4195, 0.5051



# Inverse Universe

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



56.8165, 0.2764, 0.2691



54.3097, 0.2675, 0.2544



60.4716, 0.2947, 0.2721



15.9308, 0.2979, 0.3045



3.5577, 0.1500, 0.0601

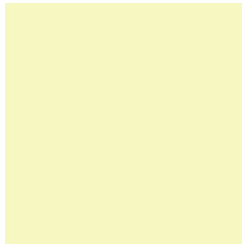


0.3141, 0.1501, 0.0603



# Previews

## White Background



This preview shows how the Yxy color 90.1907, 0.3452, 0.3826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

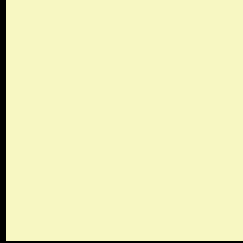
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1907, 0.3452, 0.3826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

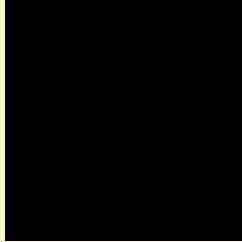
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.1907, 0.3452, 0.3826**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1907, 0.3452, 0.3826.

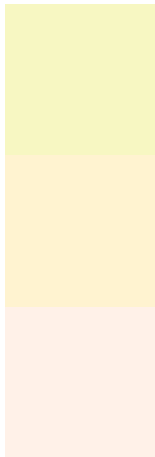


This preview shows how white text looks on a background with the Yxy color 90.1907, 0.3452, 0.3826.

# 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

90.1907, 0.3452, 0.3826

### Protanopia

89.9153, 0.3426, 0.3638

### Deuteranopia

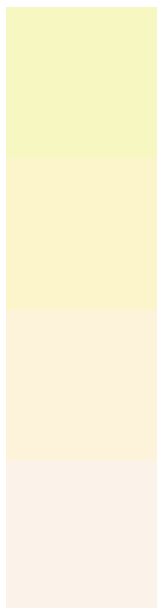
89.9968, 0.3276, 0.3379



## Tritanopia

89.8357, 0.3121, 0.3136

# Trichromacy



## Original Color

90.1907, 0.3452, 0.3826

## Protanomaly

89.7086, 0.3435, 0.3701

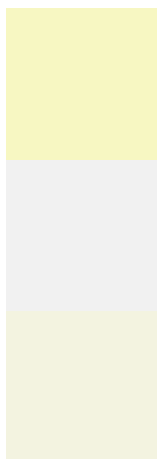
## Deuteranomaly

89.8586, 0.3342, 0.3539

## Tritanomaly

89.8967, 0.3242, 0.3379

# Monochromacy



## Original Color

90.1907, 0.3452, 0.3826

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.5377, 0.3243, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1907, 0.3452, 0.3826 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(247, 247, 194)` looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 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(247, 247, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1907, 0.3452, 0.3826 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(247, 247, 194) }
```

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

```
.border{ border-color:rgb(247, 247, 194) }
```

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

Here you see how a box with a 4 pixel rgb(247, 247, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 247, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 247, 194);  
box-shadow:4px 4px 4px 4px rgb(247, 247,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1907, 0.3452, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 194) }
```

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

```
.background{ background-color: rgb(247,  
247, 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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