

# Converting Colors

$Y_{xy}(100.0000, 0.4119, 0.4236)$

Have a look what the booklet for  
Yxy(100.0000, 0.4119, 0.4236)  
contains.

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# Color

**Yxy(90.9048, 0.3822, 0.4352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF98C
RGB	255, 249, 140
RGB Percent	100%, 98%, 55%
CMY	0.0002, 0.0234, 0.4510
CMYK	0.00, 0.02, 0.45, 0.00
HSL	57°, 100%, 77%
HSV	57°, 45%, 100%
XYZ	79.8341, 90.9048, 38.1416
YIQ	238.3680, 38.5650, -32.6270

# Conversions

## Conversions Part 2

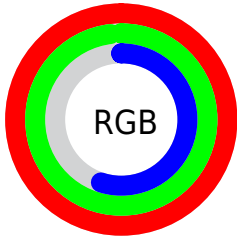
Format	Color
R <sub>Y</sub> B	146, 255, 140
Decimal	16775564
CIE Lab	96.37, -12.60, 52.76
CIE LCh	96, 54.240, 103.431
Yxy	90.9048, 0.3822, 0.4352
Android (android.graphics.Color)	4294965644 (0xFFFFF98C)
YUV	238.3680, -48.4954, 14.5863
Hunter-Lab	95.3440, -17.3891, 43.0223

# Details

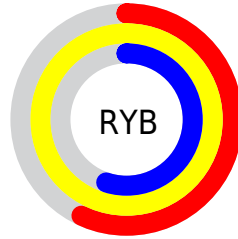
The Yxy color **90.9048, 0.3822, 0.4352** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.3199, 0.2283, 0.1944**, and the grayscale version is **86.1573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **50.5638, 0.3938, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **89.4325, 0.3959, 0.4553**, and if you desaturate by 10%, it is **92.5653, 0.3672, 0.4128**.

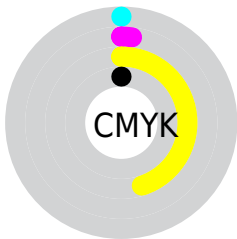
# Distribution



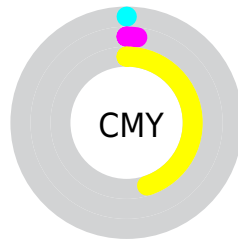
- Red (100%)
- Green (98%)
- Blue (55%)



- Red (57%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9048, 0.3822, 0.4352 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 90.9048, 0.3822, 0.4352 by changing the saturation by 10% instead.




 90.9048, 0.3822,  
0.4352


 90.9048, 0.3822,  
0.4352


530.9698, 0.3533,  
0.3882

 68.7313, 0.3879,  
0.4451


 148.5946, 0.3729,  
0.4195

 50.4929, 0.3943,  
0.4569


 184.8796, 0.3691,  
0.4132

 35.8052, 0.4017,  
0.4710


226.6374, 0.3657,  
0.4077

 24.2838, 0.4099,  
0.4880

274.2522, 0.3626,  
0.4029

 15.5443, 0.4184,  
0.5084

328.1084, 0.3599,  
0.3986

 9.2023, 0.4265,  
0.5331


388.5905, 0.3575,


 4.8733, 0.4341,


0.3948


0.5659


456.0828, 0.3553,  
0.3913


 2.1731, 0.4171,  
0.5829


 0.7053, 0.3397,  
0.6603


 90.9048, 0.3822,  
0.4352


 90.9048, 0.3822,  
0.4352


 89.4325, 0.3959,  
0.4553


 92.5653, 0.3672,  
0.4128

 88.1237, 0.4077,  
0.4721

 94.4126, 0.3515,  
0.3890

 86.9688, 0.4170,  
0.4848

 96.4610, 0.3357,  
0.3647

 85.9516, 0.4236,  
0.4930

 98.7198, 0.3203,  
0.3408

■ 85.0525, 0.4276,  
0.4969

99.9903, 0.3127,  
0.3290

■ 84.6407, 0.4288,  
0.4977

# Harmonies

## Analogous

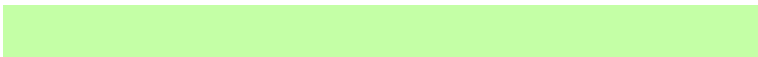
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9048, 0.4227, 0.4047



90.9048, 0.3822, 0.4352



90.9048, 0.3252, 0.4352

# Triad

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



90.9048, 0.3822, 0.4352



90.9048, 0.2057, 0.2791



90.9048, 0.3525, 0.2731

# Complementary

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



90.9048, 0.3822, 0.4352



33.3199, 0.2283, 0.1944

# 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.



90.9048, 0.2907, 0.2448



90.9048, 0.3822, 0.4352



90.9048, 0.2111, 0.2449

# Square

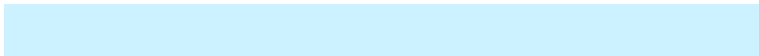
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9048, 0.3822, 0.4352



90.9048, 0.2251, 0.3347



90.9048, 0.2405, 0.2342



90.9048, 0.4068, 0.3139

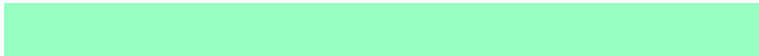


# Rectangle

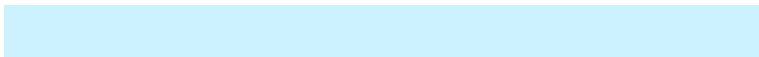
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9048, 0.3822, 0.4352



90.9048, 0.2860, 0.4130



90.9048, 0.2405, 0.2342



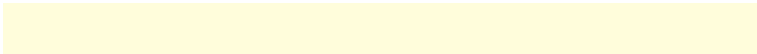
90.9048, 0.3316, 0.2620

# Sweetspot

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



90.9090, 0.3822, 0.4352



96.7419, 0.3340, 0.3621



42.1282, 0.4265, 0.3214



20.6073, 0.3374, 0.3673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

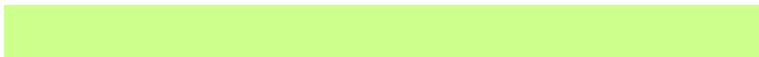
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9090, 0.3822, 0.4352



89.6265, 0.3945, 0.4532



86.3778, 0.3456, 0.4544



20.9208, 0.3270, 0.3513



44.3166, 0.4286, 0.4979



4.3622, 0.4275, 0.4988



# Inverse Universe

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



33.3199, 0.2283, 0.1944



25.5378, 0.2095, 0.1637



36.8892, 0.2633, 0.1998



17.5278, 0.2978, 0.3057



3.9866, 0.1509, 0.0631

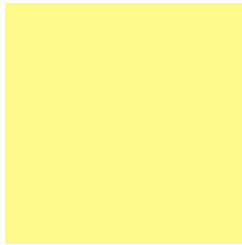


0.4387, 0.1529, 0.0703



# Previews

## White Background



This preview shows how the Yxy color 90.9048, 0.3822, 0.4352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

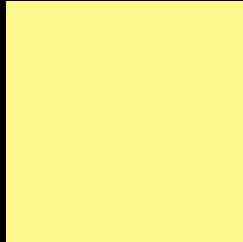
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.9048, 0.3822, 0.4352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

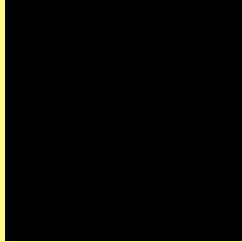
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.9048, 0.3822, 0.4352**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.9048, 0.3822, 0.4352.

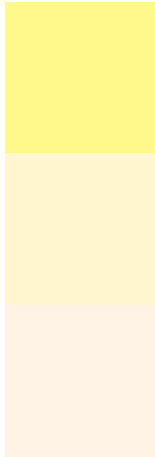


This preview shows how white text looks on a background with the Yxy color 90.9048, 0.3822, 0.4352.

# 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

90.9048, 0.3822, 0.4352

### Protanopia

91.0698, 0.3429, 0.3667

### Deuteranopia

91.0744, 0.3286, 0.3418



## Tritanopia

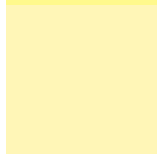
91.0101, 0.3170, 0.3213

# Trichromacy



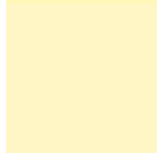
## Original Color

90.9048, 0.3822, 0.4352



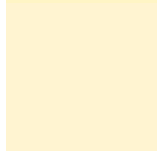
## Protanomaly

90.5904, 0.3578, 0.3917



## Deuteranomaly

90.5960, 0.3492, 0.3768



## Tritanomaly

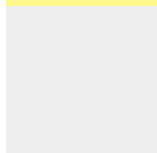
90.5648, 0.3418, 0.3637

# Monochromacy



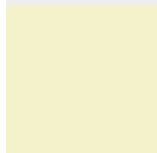
## Original Color

90.9048, 0.3822, 0.4352



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.0016, 0.3390, 0.3699

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.9048, 0.3822, 0.4352 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, 249, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 140)  
}
```

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, 249, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 90.9048, 0.3822, 0.4352 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, 249, 140) }
```

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

```
.border{ border-color:rgb(255, 249, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.9048, 0.3822, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 140) }
```

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

```
.background{ background-color: rgb(255,  
249, 140) }
```

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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