

# Converting Colors

$Yxy(92.7251, 0.3873, 0.4486)$

Have a look what the booklet for  
Yxy(92.7251, 0.3873, 0.4486)  
contains.

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# **Color**

**Yxy(92.4131, 0.3878, 0.4486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFC7F
RGB	255, 252, 127
RGB Percent	100%, 99%, 50%
CMY	0.0000, 0.0118, 0.5020
CMYK	0.00, 0.01, 0.50, 0.00
HSL	59°, 100%, 75%
HSV	59°, 50%, 100%
XYZ	79.8881, 92.4131, 33.7021
YIQ	238.6470, 41.9130, -38.2390

# Conversions

## Conversions Part 2

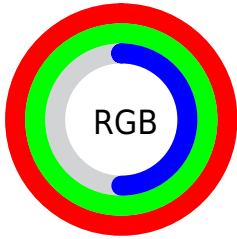
Format	Color
<a href="#">RYB</a>	<a href="#">130, 255, 127</a>
Decimal	<a href="#">16776319</a>
CIELab	<a href="#">96.99, -15.16, 59.52</a>
CIELCh	<a href="#">97, 61.419, 104.286</a>
Yxy	<a href="#">92.4131, 0.3878, 0.4486</a>
Android (android.graphics.Color)	<a href="#">4294966399 (0xFFFFFC7F)</a>
YUV	<a href="#">238.6470, -55.0420, 14.3416</a>
Hunter-Lab	<a href="#">96.1317, -19.8922, 46.5061</a>

# Details

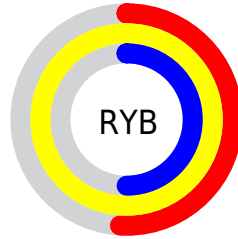
The Yxy color **92.4131, 0.3878, 0.4486** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.6953, 0.2166, 0.1725**, and the grayscale version is **86.4374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **51.6967, 0.3996, 0.4726** is the 20% darker color. If you saturate the color by 10%, you get **91.4545, 0.3999, 0.4674**, and if you desaturate by 10%, it is **93.5394, 0.3739, 0.4268**.

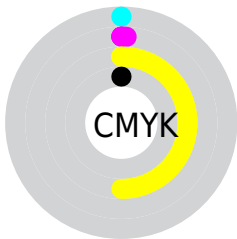
# Distribution



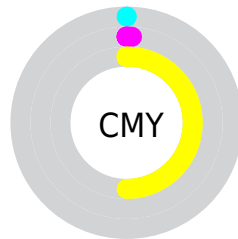
- Red (100%)
- Green (99%)
- Blue (50%)



- Red (51%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (1%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4131, 0.3878, 0.4486 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 92.4131, 0.3878, 0.4486 by changing the saturation by 10% instead.





 92.4131, 0.3878,  
0.4486

 92.4131, 0.3878,  
0.4486


535.8497, 0.3573,  
0.3961

 69.9838, 0.3935,  
0.4595


 150.6858, 0.3782,  
0.4312

 51.5133, 0.3999,  
0.4723


 187.2980, 0.3742,  
0.4242

 36.6173, 0.4069,  
0.4874


 229.4066, 0.3706,  
0.4181

 24.9113, 0.4142,  
0.5053

277.3960, 0.3674,  
0.4126

 16.0110, 0.4209,  
0.5262

331.6506, 0.3645,  
0.4078

 9.5319, 0.4286,  
0.5541


392.5549, 0.3618,


 5.0897, 0.4239,


0.4035


0.5761

460.4931, 0.3595,  
0.3996

 2.3000, 0.4040,  
0.5960


 0.7737, 0.3208,  
0.6792


 92.4131, 0.3878,  
0.4486


 92.4131, 0.3878,  
0.4486

 91.4545, 0.3999,  
0.4674

 93.5394, 0.3739,  
0.4268


 90.6532, 0.4097,  
0.4824

 94.8476, 0.3590,  
0.4031

 89.9935, 0.4168,  
0.4931

 96.3473, 0.3435,  
0.3784

 89.4577, 0.4213,  
0.4994

 98.0484, 0.3280,  
0.3536

 89.0247, 0.4235,  
0.5019

99.9598, 0.3130,  
0.3295

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

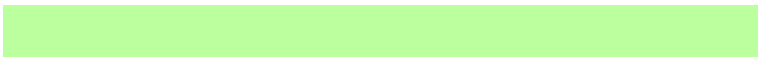
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4131, 0.4345, 0.4134



92.4131, 0.3878, 0.4486



92.4131, 0.3238, 0.4492

# Triad

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



92.4131, 0.3878, 0.4486



92.4131, 0.1937, 0.2708



92.4131, 0.3591, 0.2679

# Complementary

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



92.4131, 0.3878, 0.4486



27.6953, 0.2166, 0.1725

# 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.



92.4131, 0.2895, 0.2364



92.4131, 0.3878, 0.4486



92.4131, 0.2007, 0.2343

# Square

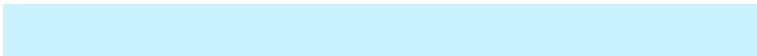
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.4131, 0.3878, 0.4486



92.4131, 0.2138, 0.3327



92.4131, 0.2334, 0.2240



92.4131, 0.4201, 0.3128

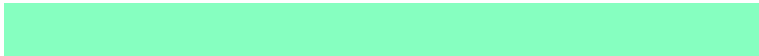


# Rectangle

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



92.4131, 0.3878, 0.4486



92.4131, 0.2802, 0.4233



92.4131, 0.2334, 0.2240



92.4131, 0.3355, 0.2556

# Sweetspot

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



92.4122, 0.3878, 0.4486



97.2059, 0.3354, 0.3655



38.0828, 0.4519, 0.3251



20.7301, 0.3387, 0.3707



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

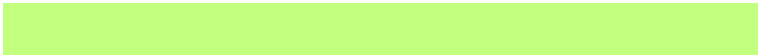
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4122, 0.3878, 0.4486



91.4719, 0.3996, 0.4671



84.6894, 0.3454, 0.4705



21.0133, 0.3270, 0.3519



46.5503, 0.4235, 0.5020



4.5547, 0.4230, 0.5024



# Inverse Universe

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



27.6953, 0.2166, 0.1725



20.2679, 0.1963, 0.1389



32.9278, 0.2595, 0.1855



17.4459, 0.2978, 0.3050



3.8699, 0.1504, 0.0614

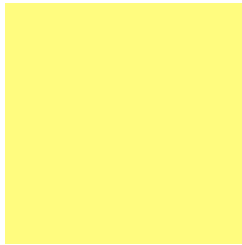


0.3998, 0.1513, 0.0647



# Previews

## White Background



This preview shows how the Yxy color 92.4131, 0.3878, 0.4486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

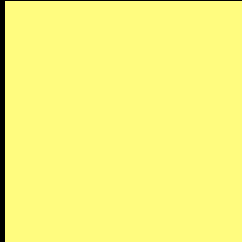
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.4131, 0.3878, 0.4486 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 92.4131, 0.3878, 0.4486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.4131, 0.3878, 0.4486.



This preview shows how white text looks on a background with the Yxy color 92.4131, 0.3878, 0.4486.

# Color Blindness Simulation

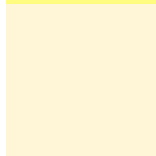
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



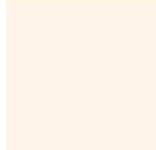
### Original Color

92.4131, 0.3878, 0.4486



### Protanopia

92.0778, 0.3377, 0.3596



### Deuteranopia

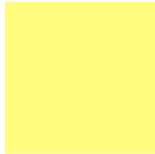
92.5053, 0.3259, 0.3398



## Tritanopia

92.2633, 0.3163, 0.3223

# Trichromacy



## Original Color

92.4131, 0.3878, 0.4486



## Protanomaly

91.8137, 0.3573, 0.3935



## Deuteranomaly

92.3349, 0.3499, 0.3816



## Tritanomaly

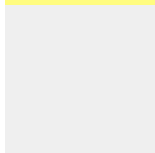
91.5793, 0.3440, 0.3697

# Monochromacy



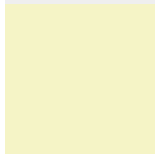
## Original Color

92.4131, 0.3878, 0.4486



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.1911, 0.3418, 0.3759

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.4131, 0.3878, 0.4486 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, 252, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 127)  
}
```

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, 252, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 92.4131, 0.3878, 0.4486 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, 252, 127) }
```

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

```
.border{ border-color:rgb(255, 252, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.4131, 0.3878, 0.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 127) }
```

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

```
.background{ background-color: rgb(255,  
252, 127) }
```

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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