

# Converting Colors

$Y_{xy}(91.5423, 0.3912, 0.4525)$

Have a look what the booklet for  
Yxy(91.5423, 0.3912, 0.4525)  
contains.

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# **Color**

**Yxy(91.6348, 0.3912, 0.4527)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFB79
RGB	255, 251, 121
RGB Percent	100%, 98%, 47%
CMY	0.0000, 0.0157, 0.5255
CMYK	0.00, 0.02, 0.53, 0.00
HSL	58°, 100%, 74%
HSV	58°, 53%, 100%
XYZ	79.1861, 91.6348, 31.5975
YIQ	237.3760, 44.1140, -39.5820

# Conversions

## Conversions Part 2

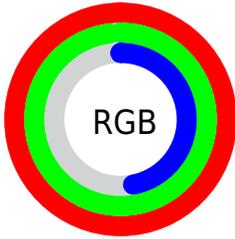
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 255, 121
Decimal	16776057
CIELab	96.67, -15.17, 61.85
CIELCh	97, 63.682, 103.782
Yxy	91.6348, 0.3912, 0.4527
Android (android.graphics.Color)	4294966137 (0xFFFFFB79)
YUV	237.3760, -57.3734, 15.4562
Hunter-Lab	95.7261, -19.8627, 47.4377

# Details

The Yxy color **91.6348, 0.3912, 0.4527** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.9438, 0.2118, 0.1652**, and the grayscale version is **85.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **51.1593, 0.4037, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **90.6211, 0.4029, 0.4706**, and if you desaturate by 10%, it is **92.8241, 0.3776, 0.4316**.

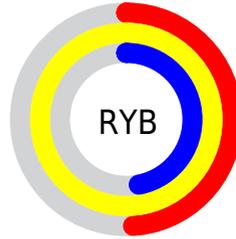
# Distribution



Red (100%)

Green (98%)

Blue (47%)



Red (49%)

Yellow (100%)

Blue (47%)



Cyan (0%)

Magenta (2%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.6348, 0.3912, 0.4527 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 91.6348, 0.3912, 0.4527 by changing the saturation by 10% instead.



 91.6348, 0.3912,  
0.4527

 91.6348, 0.3912,  
0.4527

533.3346, 0.3595,  
0.3986

 69.3373, 0.3971,  
0.4638

 149.6071, 0.3813,  
0.4348

 50.9865, 0.4036,  
0.4769

 186.0508, 0.3771,  
0.4276

 36.1979, 0.4106,  
0.4922

 227.9786, 0.3733,  
0.4213

 24.5870, 0.4178,  
0.5101

275.7751, 0.3700,  
0.4157

 15.7697, 0.4241,  
0.5307

329.8245, 0.3670,  
0.4107

 9.3613, 0.4333,  
0.5610

390.5113, 0.3642,

 4.9776, 0.4233,

0.4062

0.5767

458.2198, 0.3617,  
0.4022

 2.2341, 0.4031,  
0.5969

 0.7385, 0.3099,  
0.6901

 91.6348, 0.3912,  
0.4527

 91.6348, 0.3912,  
0.4527

 90.6211, 0.4029,  
0.4706

 92.8241, 0.3776,  
0.4316

 89.7571, 0.4123,  
0.4846

 94.1883, 0.3627,  
0.4084

 89.0315, 0.4190,  
0.4942

 95.7424, 0.3472,  
0.3840

 88.4257, 0.4231,  
0.4994

 97.4963, 0.3317,  
0.3593

 88.0321, 0.4247,  
0.5010

 99.4592, 0.3165,  
0.3350

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

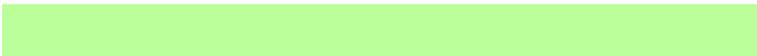
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6348, 0.4395, 0.4151



91.6348, 0.3912, 0.4527



91.6348, 0.3250, 0.4548

# Triad

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



91.6348, 0.3912, 0.4527



91.6348, 0.1898, 0.2691



91.6348, 0.3596, 0.2651

# Complementary

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



91.6348, 0.3912, 0.4527



25.9438, 0.2118, 0.1652

# 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.



91.6348, 0.2873, 0.2330



91.6348, 0.3912, 0.4527



91.6348, 0.1965, 0.2312

# Square

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



91.6348, 0.3912, 0.4527



91.6348, 0.2108, 0.3338



91.6348, 0.2297, 0.2204



91.6348, 0.4236, 0.3110

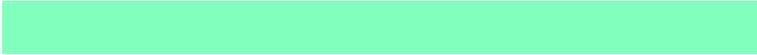


# Rectangle

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



91.6348, 0.3912, 0.4527



91.6348, 0.2798, 0.4285



91.6348, 0.2297, 0.2204



91.6348, 0.3350, 0.2525

# Sweetspot

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



91.6390, 0.3912, 0.4527



96.8735, 0.3370, 0.3677



36.4228, 0.4622, 0.3250



20.6572, 0.3402, 0.3728



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

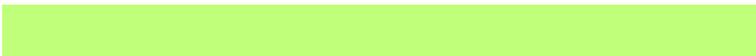
The Same Dimension uses a secret algorithm to generate beautiful new colors.



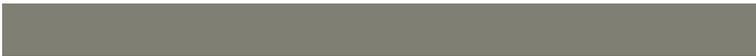
91.6390, 0.3912, 0.4527



90.5840, 0.4034, 0.4713



84.1628, 0.3463, 0.4773



20.9925, 0.3270, 0.3518



46.0425, 0.4246, 0.5011



4.5110, 0.4239, 0.5016



# Inverse Universe

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



25.9438, 0.2118, 0.1652



18.5661, 0.1907, 0.1303



31.0228, 0.2563, 0.1785



17.4642, 0.2978, 0.3051



3.8961, 0.1505, 0.0618

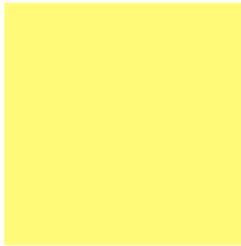


0.4085, 0.1517, 0.0660



# Previews

## White Background



This preview shows how the Yxy color 91.6348, 0.3912, 0.4527 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

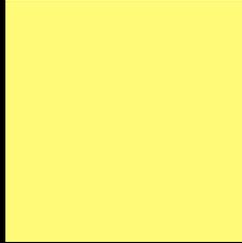
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.6348, 0.3912, 0.4527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

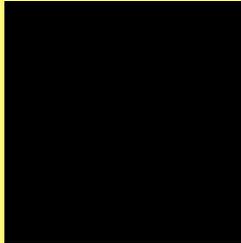
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.6348, 0.3912, 0.4527**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.6348, 0.3912, 0.4527.



This preview shows how white text looks on a background with the Yxy color 91.6348, 0.3912, 0.4527.

# Color Blindness Simulation

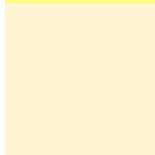
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



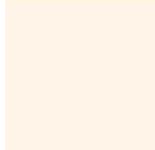
### Original Color

91.6348, 0.3912, 0.4527



### Protanopia

91.2680, 0.3404, 0.3627



### Deuteranopia

91.7309, 0.3279, 0.3418



## Tritanopia

91.6038, 0.3169, 0.3223

# Trichromacy



## Original Color

91.6348, 0.3912, 0.4527



## Protanomaly

90.9959, 0.3606, 0.3976



## Deuteranomaly

91.5431, 0.3526, 0.3847



## Tritanomaly

90.8291, 0.3461, 0.3717

# Monochromacy



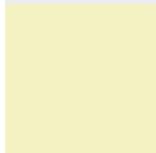
## Original Color

91.6348, 0.3912, 0.4527



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.6775, 0.3434, 0.3772

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.6348, 0.3912, 0.4527 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, 251, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 121)  
}
```

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, 251, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 91.6348, 0.3912, 0.4527 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, 251, 121) }
```

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

```
.border{ border-color:rgb(255, 251, 121) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.6348, 0.3912, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 121) }
```

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

```
.background{ background-color: rgb(255,  
251, 121) }
```

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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