

# Converting Colors

$Y_{xy}(104.4366, 0.3725, 0.4654)$

Have a look what the booklet for  
Yxy(104.4366, 0.3725, 0.4654)  
contains.

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# Color

**Yxy(92.6978, 0.3792, 0.4522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FF81
RGB	246, 255, 129
RGB Percent	96%, 100%, 51%
CMY	0.0352, 0.0000, 0.4941
CMYK	0.04, 0.00, 0.49, 0.00
HSL	64°, 100%, 75%
HSV	64°, 49%, 100%
XYZ	77.7333, 92.6978, 34.5618
YIQ	237.9450, 35.0820, -41.0940

# Conversions

## Conversions Part 2

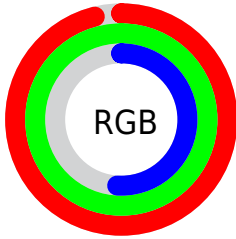
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 255, 138
Decimal	16187265
CIE <sub>Lab</sub>	97.10, -19.94, 58.58
CIE <sub>LCh</sub>	97, 61.878, 108.796
Yxy	92.6978, 0.3792, 0.4522
Android (android.graphics.Color)	4294377345 (0xFFFF6FF81)
YUV	237.9450, -53.7099, 7.0642
Hunter-Lab	96.2797, -24.3740, 46.1123

# Details

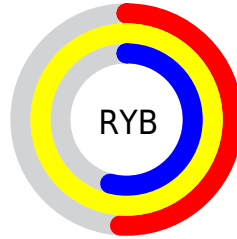
The Yxy color **92.6978, 0.3792, 0.4522** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.3208, 0.2234, 0.1739**, and the grayscale version is **85.8624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **51.5875, 0.3901, 0.4769** is the 20% darker color. If you saturate the color by 10%, you get **91.7786, 0.3896, 0.4729**, and if you desaturate by 10%, it is **93.7964, 0.3670, 0.4288**.

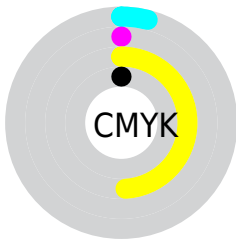
# Distribution



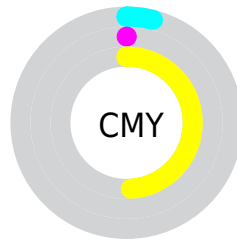
- Red (96%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (54%)



- Cyan (4%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6978, 0.3792, 0.4522 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 92.6978, 0.3792, 0.4522 by changing the saturation by 10% instead.





 92.6978, 0.3792,  
0.4522

 92.6978, 0.3792,  
0.4522

536.7682, 0.3526,  
0.3975


 70.2204, 0.3841,  
0.4637


 151.0802, 0.3709,  
0.4339

 51.7062, 0.3894,  
0.4774


 187.7539, 0.3674,  
0.4266

 36.7709, 0.3952,  
0.4937


 229.9284, 0.3643,  
0.4202

 25.0302, 0.4010,  
0.5133

277.9883, 0.3614,  
0.4146

 16.0995, 0.4059,  
0.5366

332.3178, 0.3589,  
0.4096

 9.5946, 0.4103,  
0.5674

393.3013, 0.3566,

 5.1310, 0.4034,

0.4051

0.5966

461.3233, 0.3545,  
0.4011

■ 2.3243, 0.3770,  
0.6230

■ 0.7865, 0.2491,  
0.7509

■ 92.6978, 0.3792,  
0.4522

■ 92.6978, 0.3792,  
0.4522

■ 91.7786, 0.3896,  
0.4729

■ 93.7964, 0.3670,  
0.4288

■ 91.0155, 0.3977,  
0.4899

■ 95.0754, 0.3537,  
0.4037

■ 90.3972, 0.4032,  
0.5026

■ 96.5488, 0.3397,  
0.3779

■ 89.9064, 0.4061,  
0.5108

■ 98.2263, 0.3257,  
0.3523

■ 89.5163, 0.4067,  
0.5151

100.0000, 0.3127,  
0.3290

■ 89.4946, 0.4067,  
0.5153

# Harmonies

## Analogous

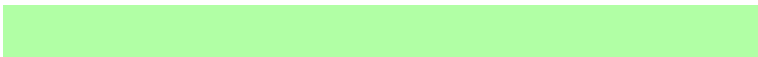
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6978, 0.4300, 0.4205



92.6978, 0.3792, 0.4522



92.6978, 0.3137, 0.4460

# Triad

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



92.6978, 0.3792, 0.4522



92.6978, 0.1924, 0.2631



92.6978, 0.3698, 0.2736

# Complementary

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



92.6978, 0.3792, 0.4522



28.3208, 0.2234, 0.1739

# 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.



92.6978, 0.2994, 0.2396



92.6978, 0.3792, 0.4522



92.6978, 0.2033, 0.2306

# Square

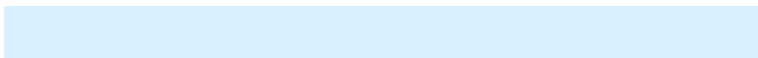
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.6978, 0.3792, 0.4522



92.6978, 0.2085, 0.3220



92.6978, 0.2400, 0.2239



92.6978, 0.4277, 0.3201



# Rectangle

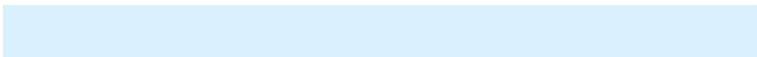
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.6978, 0.3792, 0.4522



92.6978, 0.2707, 0.4155



92.6978, 0.2400, 0.2239



92.6978, 0.3464, 0.2606

# Sweetspot

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



92.7013, 0.3792, 0.4522



97.2634, 0.3335, 0.3666



40.8491, 0.4485, 0.3380



20.7442, 0.3365, 0.3720



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.



92.7013, 0.3792, 0.4522



91.8135, 0.3892, 0.4721



83.2456, 0.3368, 0.4721



21.0210, 0.3258, 0.3526



46.7908, 0.4069, 0.5151



4.5748, 0.4084, 0.5139



# Inverse Universe

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



28.3208, 0.2234, 0.1739



20.8951, 0.2036, 0.1411



35.2538, 0.2710, 0.1917



17.4396, 0.2990, 0.3045



3.8630, 0.1521, 0.0612

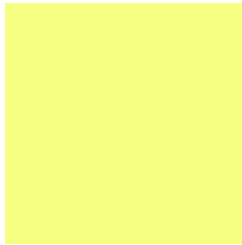


0.3966, 0.1570, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 92.6978, 0.3792, 0.4522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

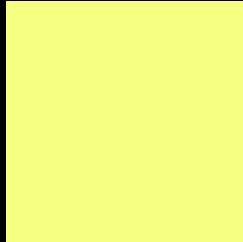
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.6978, 0.3792, 0.4522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

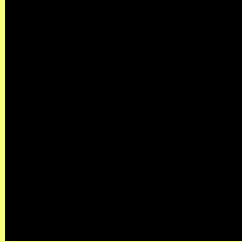
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.6978, 0.3792, 0.4522**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.6978, 0.3792, 0.4522.



This preview shows how white text looks on a background with the Yxy color 92.6978, 0.3792, 0.4522.

# Color Blindness Simulation

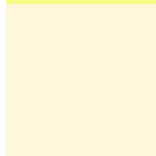
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



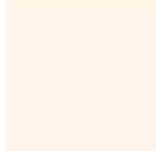
### Original Color

92.6978, 0.3792, 0.4522



### Protanopia

92.7913, 0.3363, 0.3586



### Deuteranopia

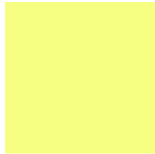
92.5630, 0.3253, 0.3388



## Tritanopia

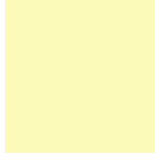
92.5169, 0.3139, 0.3185

# Trichromacy



## Original Color

92.6978, 0.3792, 0.4522



## Protanomaly

92.5694, 0.3535, 0.3938



## Deuteranomaly

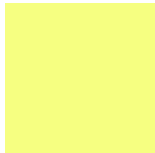
92.4323, 0.3470, 0.3819



## Tritanomaly

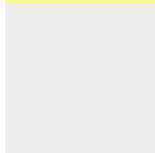
91.8204, 0.3392, 0.3668

# Monochromacy



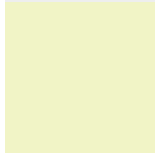
## Original Color

92.6978, 0.3792, 0.4522



## Achromatopsia

85.4993, 0.3127, 0.3290



## Achromatomaly

87.4794, 0.3391, 0.3763

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.6978, 0.3792, 0.4522 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(246, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 129)  
}
```

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(246, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 92.6978, 0.3792, 0.4522 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(246, 255, 129) }
```

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

```
.border{ border-color:rgb(246, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.6978, 0.3792, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 129) }
```

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

```
.background{ background-color: rgb(246,  
255, 129) }
```

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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