

# Converting Colors

$Y_{xy}(100.0000, 0.3842, 0.4778)$

Have a look what the booklet for  
Yxy(100.0000, 0.3842, 0.4778)  
contains.

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# Color

**Yxy(92.1744, 0.3894, 0.4696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FF6B
RGB	246, 255, 107
RGB Percent	96%, 100%, 42%
CMY	0.0351, 0.0000, 0.5803
CMYK	0.04, 0.00, 0.58, 0.00
HSL	64°, 100%, 71%
HSV	64°, 58%, 100%
XYZ	76.4325, 92.1744, 27.6759
YIQ	235.4370, 42.1440, -47.9360

# Conversions

## Conversions Part 2

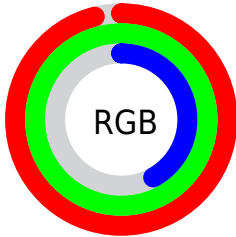
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 255, 116
Decimal	16187243
CIELab	96.89, -21.64, 67.95
CIELCh	97, 71.313, 107.665
Yxy	92.1744, 0.3894, 0.4696
Android (android.graphics.Color)	4294377323 (0xFFFF6FF6B)
YUV	235.4370, -63.3194, 9.2638
Hunter-Lab	96.0075, -25.9075, 50.1138

# Details

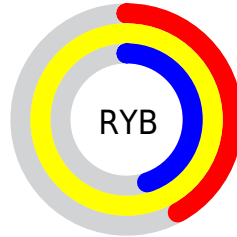
The Yxy color **92.1744, 0.3894, 0.4696** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.4485, 0.2046, 0.1439**, and the grayscale version is **83.9052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **51.1747, 0.4003, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **91.4409, 0.3980, 0.4869**, and if you desaturate by 10%, it is **93.0769, 0.3785, 0.4487**.

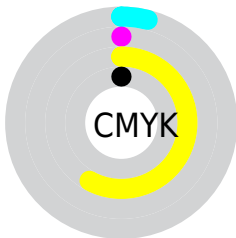
# Distribution



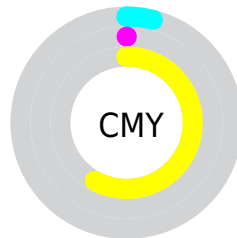
- Red (96%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (45%)



- Cyan (4%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1744, 0.3894, 0.4696 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 92.1744, 0.3894, 0.4696 by changing the saturation by 10% instead.





 92.1744, 0.3894,  
0.4696


 92.1744, 0.3894,  
0.4696


535.0790, 0.3597,  
0.4080


 69.7855, 0.3945,  
0.4822


 150.3551, 0.3804,  
0.4493


 51.3517, 0.3998,  
0.4969


 186.9156, 0.3766,  
0.4411

 36.4886, 0.4051,  
0.5141


 228.9689, 0.3730,  
0.4338

 24.8118, 0.4097,  
0.5340

 276.8992, 0.3698,  
0.4274

 15.9369, 0.4121,  
0.5564

331.0910, 0.3669,  
0.4217

 9.4795, 0.4134,  
0.5866

391.9286, 0.3643,


 5.0552, 0.3955,


0.4167

0.6045


459.7965, 0.3619,  
0.4121


 2.2797, 0.3664,  
0.6336


 0.7629, 0.2051,  
0.7949


 92.1744, 0.3894,  
0.4696


 92.1744, 0.3894,  
0.4696


 91.4409, 0.3980,  
0.4869


 93.0769, 0.3785,  
0.4487


 90.8493, 0.4041,  
0.5001

 94.1482, 0.3660,  
0.4252


 90.3870, 0.4075,  
0.5087

 95.4041, 0.3523,  
0.4000

 90.0308, 0.4085,  
0.5131

 96.8549, 0.3381,  
0.3743

 89.9667, 0.4086,  
0.5138

 98.5101, 0.3239,  
0.3488

99.9956, 0.3127,  
0.3290

# Harmonies

## Analogous

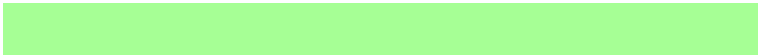
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1744, 0.4473, 0.4290



92.1744, 0.3894, 0.4696



92.1744, 0.3150, 0.4675

# Triad

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



92.1744, 0.3894, 0.4696



92.1744, 0.1770, 0.2544



92.1744, 0.3752, 0.2642

# Complementary

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



92.1744, 0.3894, 0.4696



21.4485, 0.2046, 0.1439

# 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.



92.1744, 0.2938, 0.2271



92.1744, 0.3894, 0.4696



92.1744, 0.1882, 0.2178

# Square

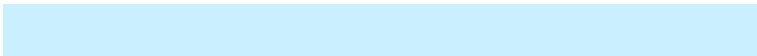
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.1744, 0.3894, 0.4696



92.1744, 0.1953, 0.3227



92.1744, 0.2277, 0.2102



92.1744, 0.4436, 0.3153



# Rectangle

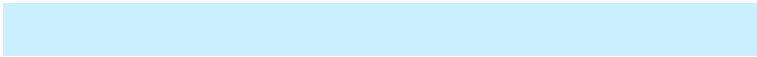
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.1744, 0.3894, 0.4696



92.1744, 0.2660, 0.4332



92.1744, 0.2277, 0.2102



92.1744, 0.3478, 0.2499

# Sweetspot

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



92.1786, 0.3894, 0.4696



97.0221, 0.3366, 0.3717



34.4488, 0.4882, 0.3366



20.7000, 0.3395, 0.3768



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.



92.1786, 0.3894, 0.4696



91.3191, 0.3995, 0.4899



81.5308, 0.3401, 0.4971



21.0315, 0.3260, 0.3525



47.0365, 0.4088, 0.5136



4.5961, 0.4101, 0.5126



# Inverse Universe

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



21.4485, 0.2046, 0.1439



14.4984, 0.1821, 0.1072



28.4807, 0.2591, 0.1671



17.4302, 0.2988, 0.3045



3.8477, 0.1518, 0.0610

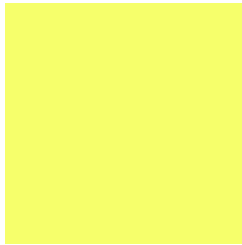


0.3922, 0.1560, 0.0633



# Previews

## White Background



This preview shows how the Yxy color 92.1744, 0.3894, 0.4696 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

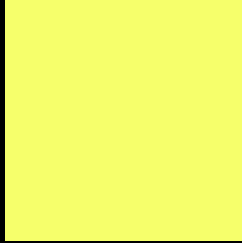
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.1744, 0.3894, 0.4696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

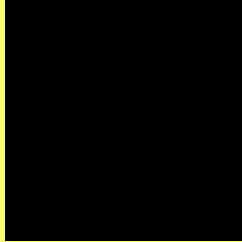
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.1744, 0.3894, 0.4696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1744, 0.3894, 0.4696.



This preview shows how white text looks on a background with the Yxy color 92.1744, 0.3894, 0.4696.

# Color Blindness Simulation

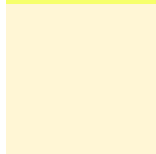
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



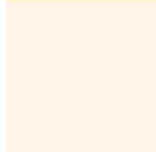
### Original Color

92.1744, 0.3894, 0.4696



### Protanopia

91.9756, 0.3389, 0.3616



### Deuteranopia

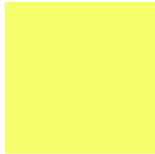
91.7876, 0.3273, 0.3408



## Tritanopia

91.8561, 0.3145, 0.3184

# Trichromacy



## Original Color

92.1744, 0.3894, 0.4696



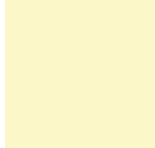
## Protanomaly

91.5028, 0.3604, 0.4039



## Deuteranomaly

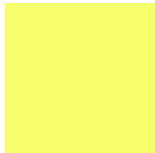
91.4181, 0.3527, 0.3900



## Tritanomaly

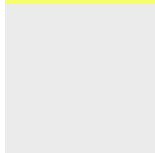
91.3871, 0.3449, 0.3760

# Monochromacy



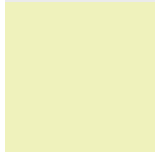
## Original Color

92.1744, 0.3894, 0.4696



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.4858, 0.3443, 0.3851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1744, 0.3894, 0.4696 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1744, 0.3894, 0.4696 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, 107) }
```

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

```
.border{ border-color:rgb(246, 255, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 255, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 255, 107); box-shadow:4px 4px 4px 4px rgb(246, 255, 107) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.1744, 0.3894, 0.4696 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, 107) }
```

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

```
.background{ background-color: rgb(246,  
255, 107) }
```

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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