

# Converting Colors

$Yxy(91.6409, 0.3898, 0.4742)$

Have a look what the booklet for  
Yxy(91.6409, 0.3898, 0.4742)  
contains.

<b>Yxy(91.7124, 0.3901, 0.4740)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(91.7124, 0.3901, 0.4740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FF66
RGB	244, 255, 102
RGB Percent	96%, 100%, 40%
CMY	0.0430, 0.0000, 0.6000
CMYK	0.04, 0.00, 0.60, 0.00
HSL	64°, 100%, 70%
HSV	64°, 60%, 100%
XYZ	75.4789, 91.7124, 26.2948
YIQ	234.2690, 42.5570, -49.9150

# Conversions

## Conversions Part 2

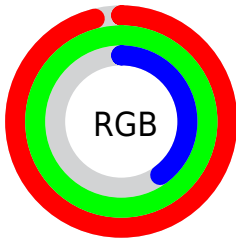
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 255, 113
Decimal	16056166
CIE <sub>Lab</sub>	96.70, -22.77, 69.77
CIE <sub>LCh</sub>	97, 73.389, 108.073
Yxy	91.7124, 0.3901, 0.4740
Android (android.graphics.Color)	4294246246 (0xFFFF4FF66)
YUV	234.2690, -65.2086, 8.5341
Hunter-Lab	95.7666, -26.9059, 50.7573

# Details

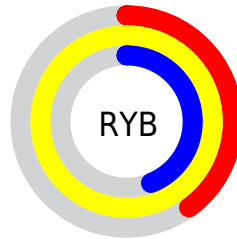
The Yxy color **91.7124, 0.3901, 0.4740** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.2309, 0.2017, 0.1378**, and the grayscale version is **82.9816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **50.8696, 0.4008, 0.5019** is the 20% darker color. If you saturate the color by 10%, you get **90.9612, 0.3981, 0.4908**, and if you desaturate by 10%, it is **92.6308, 0.3798, 0.4535**.

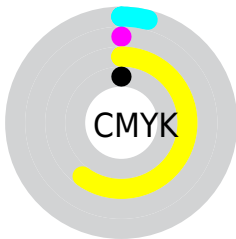
# Distribution



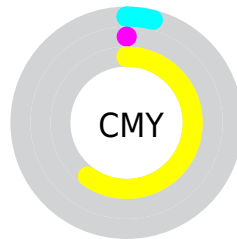
- Red (96%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7124, 0.3901, 0.4740 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 91.7124, 0.3901, 0.4740 by changing the saturation by 10% instead.




 91.7124, 0.3901,  
0.4740

 91.7124, 0.3901,  
0.4740


533.5856, 0.3604,  
0.4105


 69.4018, 0.3950,  
0.4870


 149.7147, 0.3812,  
0.4531


 51.0390, 0.4002,  
0.5020


 186.1752, 0.3774,  
0.4446

 36.2396, 0.4051,  
0.5195


 228.1211, 0.3739,  
0.4371

 24.6193, 0.4091,  
0.5397

 275.9368, 0.3706,  
0.4306

 15.7937, 0.4106,  
0.5626

330.0067, 0.3677,  
0.4247

 9.3783, 0.4091,  
0.5909


390.7152, 0.3651,


 4.9887, 0.3901,


0.4194


0.6099


458.4467, 0.3626,  
0.4147


 2.2406, 0.3591,  
0.6409


 0.7420, 0.1677,  
0.8323


 91.7124, 0.3901,  
0.4740

 91.7124, 0.3901,  
0.4740

 90.9612, 0.3981,  
0.4908

 92.6308, 0.3798,  
0.4535


 90.3498, 0.4034,  
0.5033

 93.7166, 0.3678,  
0.4302


 89.8647, 0.4061,  
0.5112

 94.9857, 0.3545,  
0.4052

 89.4771, 0.4066,  
0.5153

 96.4487, 0.3405,  
0.3794

 89.4770, 0.4066,  
0.5153

 98.1153, 0.3265,  
0.3538

99.9944, 0.3127,  
0.3290

99.9956, 0.3127,  
0.3290

# Harmonies

## Analogous

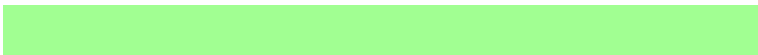
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7124, 0.4502, 0.4319



91.7124, 0.3901, 0.4740



91.7124, 0.3136, 0.4718

# Triad

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



91.7124, 0.3901, 0.4740



91.7124, 0.1736, 0.2513



91.7124, 0.3781, 0.2631

# Complementary

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



91.7124, 0.3901, 0.4740



20.2309, 0.2017, 0.1378

# 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.



91.7124, 0.2942, 0.2249



91.7124, 0.3901, 0.4740



91.7124, 0.1854, 0.2145

# Square

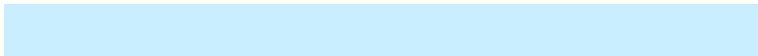
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.7124, 0.3901, 0.4740



91.7124, 0.1916, 0.3210



91.7124, 0.2261, 0.2073



91.7124, 0.4483, 0.3154



# Rectangle

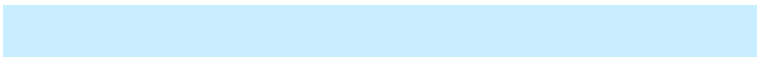
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.7124, 0.3901, 0.4740



91.7124, 0.2634, 0.4359



91.7124, 0.2261, 0.2073



91.7124, 0.3499, 0.2484

# Sweetspot

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



91.7166, 0.3901, 0.4740



96.7709, 0.3377, 0.3743



33.8517, 0.4955, 0.3392



20.6149, 0.3418, 0.3818



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.



91.7166, 0.3901, 0.4740



90.8333, 0.3993, 0.4937



80.8328, 0.3387, 0.5036



21.0207, 0.3258, 0.3526



46.7846, 0.4068, 0.5152



4.5742, 0.4083, 0.5140



# Inverse Universe

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



20.2309, 0.2017, 0.1378



13.6872, 0.1797, 0.1024



27.5037, 0.2589, 0.1629



17.4398, 0.2990, 0.3045



3.8635, 0.1522, 0.0612

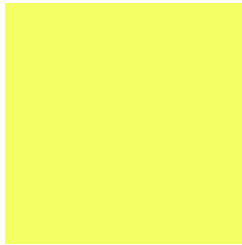


0.3968, 0.1571, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 91.7124, 0.3901, 0.4740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

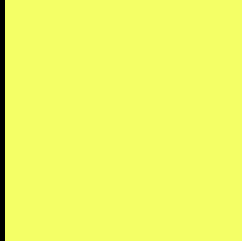
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.7124, 0.3901, 0.4740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

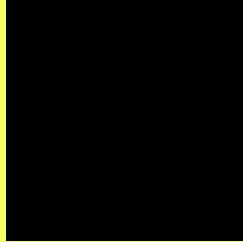
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.7124, 0.3901, 0.4740**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.7124, 0.3901, 0.4740.

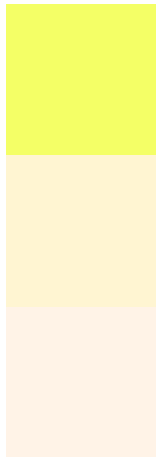


This preview shows how white text looks on a background with the Yxy color 91.7124, 0.3901, 0.4740.

# 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

91.7124, 0.3901, 0.4740

### Protanopia

91.2180, 0.3410, 0.3637

### Deuteranopia

91.1307, 0.3280, 0.3408



## Tritanopia

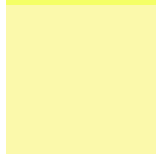
91.3264, 0.3140, 0.3165

# Trichromacy



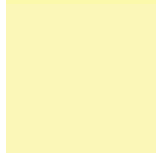
## Original Color

91.7124, 0.3901, 0.4740



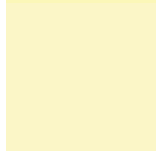
## Protanomaly

91.2009, 0.3615, 0.4070



## Deuteranomaly

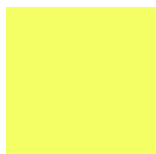
90.4914, 0.3541, 0.3923



## Tritanomaly

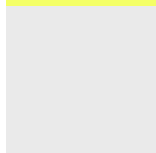
90.5443, 0.3450, 0.3761

# Monochromacy



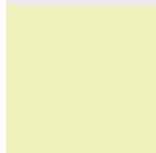
## Original Color

91.7124, 0.3901, 0.4740



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

85.2266, 0.3449, 0.3874

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.7124, 0.3901, 0.4740 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(244, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 102)  
}
```

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(244, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 91.7124, 0.3901, 0.4740 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(244, 255, 102) }
```

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

```
.border{ border-color:rgb(244, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(244, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.7124, 0.3901, 0.4740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 102) }
```

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

```
.background{ background-color: rgb(244,  
255, 102) }
```

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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