

Converting Colors

$Y_{xy}(91.7425, 0.3902, 0.4740)$

Have a look what the booklet for
Yxy(91.7425, 0.3902, 0.4740)
contains.

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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

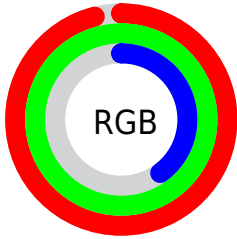
Format	Color
R_{YB}	102, 255, 113
Decimal	16056166
CIE _{Lab}	96.70, -22.77, 69.77
CIE _{LCh}	97, 73.389, 108.073
Y _{xy}	91.7124, 0.3901, 0.4740
Android (android.graphics.Color)	4294246246 (0xFFFF4FF66)
YUV	234.2690, -65.2086, 8.5341
Hunter-Lab	95.7666, -26.9059, 50.7573

Details

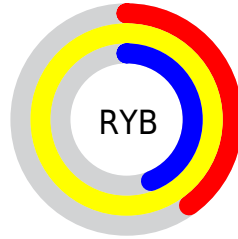
The Yxy color **91.7124, 0.3901, 0.4740** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.2309, 0.2017, 0.1378**, and the grayscale version is **82.9816, 0.3127, 0.3290**.

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**.

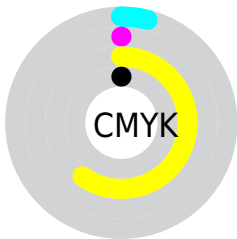
Distribution



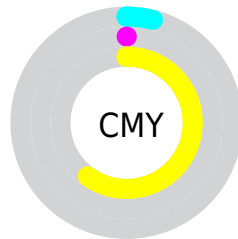
- Red (96%)
- Green (100%)
- Blue (40%)



- 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

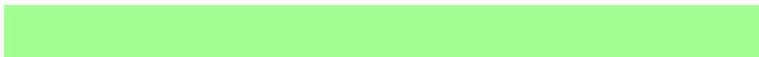
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



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

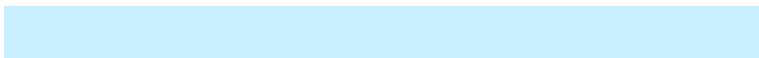
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



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

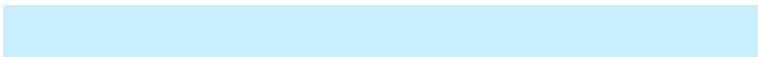
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



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



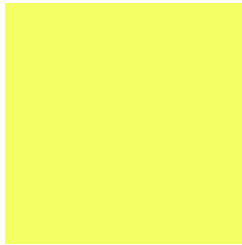
3.8635, 0.1522, 0.0612



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

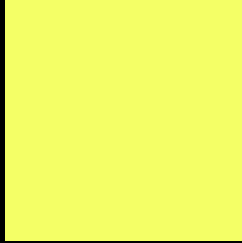
Large Text (above 18pt) WCAG AA × Fail

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

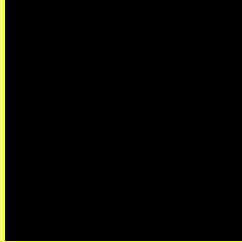
Large Text (above 18pt) WCAG AAA ✓ Pass

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.

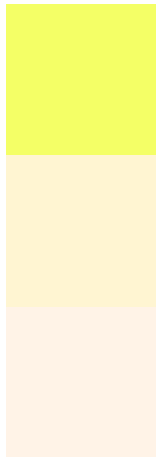


This preview shows how white text looks on a background with the Yxy color 91.7124, 0.3901, 0.4740.

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

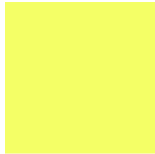
91.1307, 0.3280, 0.3408



Tritanopia

91.3264, 0.3140, 0.3165

Trichromacy



Original Color

91.7124, 0.3901, 0.4740



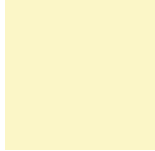
Protanomaly

91.2009, 0.3615, 0.4070



Deuteranomaly

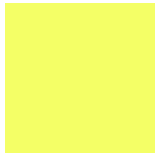
90.4914, 0.3541, 0.3923



Tritanomaly

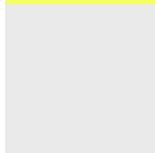
90.5443, 0.3450, 0.3761

Monochromacy



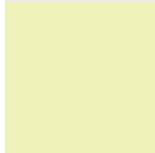
Original Color

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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