

# Converting Colors

$Y_{xy}(91.8311, 0.3905, 0.4738)$

Have a look what the booklet for  
Yxy(91.8311, 0.3905, 0.4738)  
contains.

<b>Yxy(91.8918, 0.3908, 0.4736)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(91.8918, 0.3908, 0.4736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FF66
RGB	245, 255, 102
RGB Percent	96%, 100%, 40%
CMY	0.0390, 0.0000, 0.6000
CMYK	0.04, 0.00, 0.60, 0.00
HSL	64°, 100%, 70%
HSV	64°, 60%, 100%
XYZ	75.8263, 91.8918, 26.3102
YIQ	234.5680, 43.1530, -49.7030

# Conversions

## Conversions Part 2

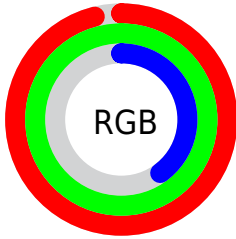
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 112</a>
Decimal	<a href="#">16121702</a>
CIELab	<a href="#">96.78, -22.38, 69.87</a>
CIELCh	<a href="#">97, 73.365, 107.757</a>
Yxy	<a href="#">91.8918, 0.3908, 0.4736</a>
Android (android.graphics.Color)	<a href="#">4294311782 (0xFFFF5FF66)</a>
YUV	<a href="#">234.5680, -65.3560, 9.1489</a>
Hunter-Lab	<a href="#">95.8602, -26.5603, 50.8291</a>

# Details

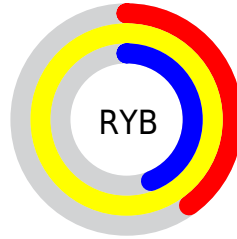
The Yxy color **91.8918, 0.3908, 0.4736** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.1644, 0.2011, 0.1376**, and the grayscale version is **83.2213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **50.9944, 0.4016, 0.5012** is the 20% darker color. If you saturate the color by 10%, you get **91.1685, 0.3989, 0.4903**, and if you desaturate by 10%, it is **92.7817, 0.3804, 0.4532**.

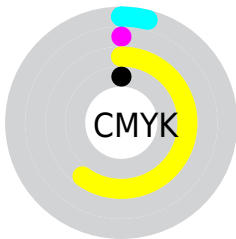
# Distribution



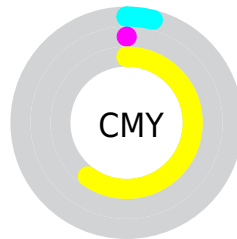
- Red (96%)
- Green (100%)
- Blue (40%)



- 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 91.8918, 0.3908, 0.4736 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 91.8918, 0.3908, 0.4736 by changing the saturation by 10% instead.




 91.8918, 0.3908,  
0.4736


 91.8918, 0.3908,  
0.4736


534.1658, 0.3608,  
0.4103

 69.5508, 0.3958,  
0.4865

 149.9634, 0.3818,  
0.4528


 51.1604, 0.4010,  
0.5015


 186.4628, 0.3779,  
0.4444

 36.3363, 0.4060,  
0.5188


 228.4504, 0.3744,  
0.4369

 24.6940, 0.4102,  
0.5388

 276.3106, 0.3711,  
0.4304

 15.8492, 0.4119,  
0.5614

330.4279, 0.3682,  
0.4245

 9.4175, 0.4106,  
0.5894

391.1866, 0.3655,

 5.0145, 0.3920,

0.4193

0.6080

458.9711, 0.3631,  
0.4146

■ 2.2558, 0.3617,  
0.6383

■ 0.7502, 0.1819,  
0.8181

■ 91.8918, 0.3908,  
0.4736

■ 91.8918, 0.3908,  
0.4736

■ 91.1685, 0.3989,  
0.4903

■ 92.7817, 0.3804,  
0.4532

■ 90.5844, 0.4044,  
0.5026

■ 93.8386, 0.3682,  
0.4301


■ 90.1261, 0.4072,  
0.5104

■ 95.0782, 0.3548,  
0.4051

■ 89.7647, 0.4078,  
0.5144

■ 96.5110, 0.3408,  
0.3794

 89.7647, 0.4078,  
0.5144

 98.1469, 0.3266,  
0.3538

99.9948, 0.3127,  
0.3290

99.9960, 0.3127,  
0.3290

# Harmonies

## Analogous

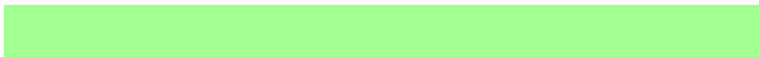
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8918, 0.4506, 0.4313



91.8918, 0.3908, 0.4736



91.8918, 0.3144, 0.4720

# Triad

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



91.8918, 0.3908, 0.4736



91.8918, 0.1737, 0.2519



91.8918, 0.3772, 0.2626

# Complementary

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



91.8918, 0.3908, 0.4736



20.1644, 0.2011, 0.1376

# 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.



91.8918, 0.2934, 0.2247



91.8918, 0.3908, 0.4736



91.8918, 0.1852, 0.2149

# Square

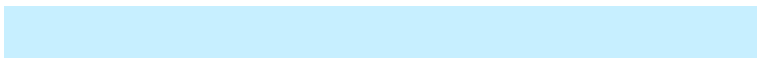
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.8918, 0.3908, 0.4736



91.8918, 0.1921, 0.3219



91.8918, 0.2256, 0.2074



91.8918, 0.4477, 0.3148



# Rectangle

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



91.8918, 0.3908, 0.4736



91.8918, 0.2642, 0.4365



91.8918, 0.2256, 0.2074



91.8918, 0.3489, 0.2480

# Sweetspot

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



91.8960, 0.3908, 0.4736



96.8267, 0.3379, 0.3742



33.2951, 0.4973, 0.3367



20.6287, 0.3421, 0.3817



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.



91.8960, 0.3908, 0.4736



91.0457, 0.4002, 0.4931



81.1163, 0.3403, 0.5027



21.0271, 0.3259, 0.3525



46.9323, 0.4080, 0.5143



4.5870, 0.4093, 0.5132



# Inverse Universe

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



20.1644, 0.2011, 0.1376



13.6320, 0.1792, 0.1021



27.1804, 0.2567, 0.1619



17.4341, 0.2989, 0.3045



3.8539, 0.1519, 0.0611

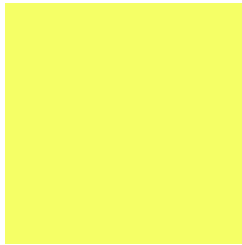


0.3941, 0.1564, 0.0635



# Previews

## White Background



This preview shows how the Yxy color 91.8918, 0.3908, 0.4736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

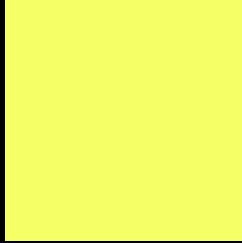
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.8918, 0.3908, 0.4736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

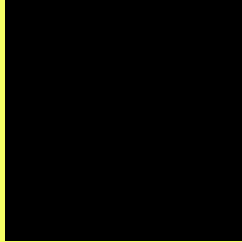
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.8918, 0.3908, 0.4736**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.8918, 0.3908, 0.4736.

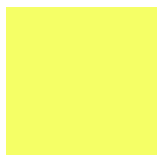


This preview shows how white text looks on a background with the Yxy color 91.8918, 0.3908, 0.4736.

# Color Blindness Simulation

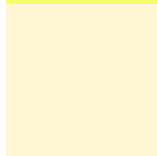
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



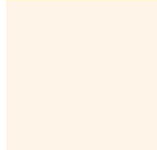
### Original Color

91.8918, 0.3908, 0.4736



### Protanopia

91.8747, 0.3402, 0.3636



### Deuteranopia

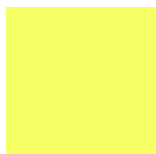
91.7309, 0.3279, 0.3418



## Tritanopia

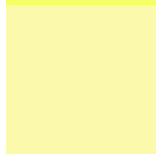
91.8561, 0.3145, 0.3184

# Trichromacy



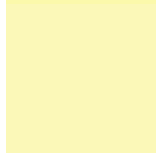
## Original Color

91.8918, 0.3908, 0.4736



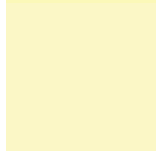
## Protanomaly

91.2009, 0.3615, 0.4070



## Deuteranomaly

91.1047, 0.3539, 0.3932



## Tritanomaly

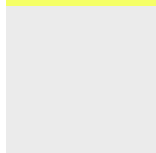
91.1080, 0.3454, 0.3781

# Monochromacy



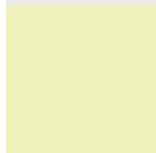
## Original Color

91.8918, 0.3908, 0.4736



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.4428, 0.3450, 0.3862

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.8918, 0.3908, 0.4736 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(245, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 91.8918, 0.3908, 0.4736 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(245, 255, 102) }
```

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

```
.border{ border-color:rgb(245, 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(245, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.8918, 0.3908, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 102) }
```

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

```
.background{ background-color: rgb(245,  
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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