

# Converting Colors

Yxy(91.8833, 0.3964, 0.4814)

Have a look what the booklet for  
Yxy(91.8833, 0.3964, 0.4814)  
contains.

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# **Color**

**Yxy(91.8510, 0.3961, 0.4812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FF5A
RGB	246, 255, 90
RGB Percent	96%, 100%, 35%
CMY	0.0354, 0.0000, 0.6470
CMYK	0.04, 0.00, 0.65, 0.00
HSL	63°, 100%, 68%
HSV	63°, 65%, 100%
XYZ	75.6072, 91.8510, 23.4209
YIQ	233.4990, 47.6010, -53.2230

# Conversions

## Conversions Part 2

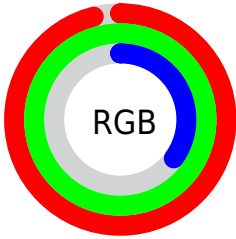
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	90, 255, 99
Decimal	16187226
CIE Lab	96.76, -22.75, 74.58
CIE LCh	97, 77.972, 106.964
Yxy	91.8510, 0.3961, 0.4812
Android (android.graphics.Color)	4294377306 (0xFFFF6FF5A)
YUV	233.4990, -70.7450, 10.9634
Hunter-Lab	95.8389, -26.8997, 52.5981

# Details

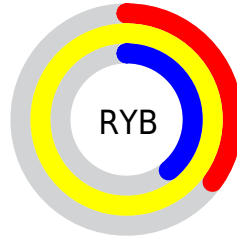
The Yxy color **91.8510, 0.3961, 0.4812** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **17.1912, 0.1911, 0.1223**, and the grayscale version is **82.3954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **50.8852, 0.4062, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **91.2343, 0.4032, 0.4956**, and if you desaturate by 10%, it is **92.6122, 0.3866, 0.4627**.

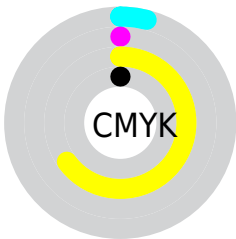
# Distribution



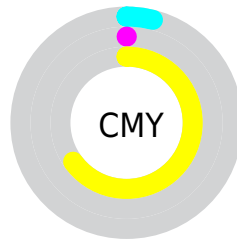
- Red (96%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (39%)



- Cyan (4%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.8510, 0.3961, 0.4812 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 91.8510, 0.3961, 0.4812 by changing the saturation by 10% instead.





 91.8510, 0.3961,  
0.4812

 91.8510, 0.3961,  
0.4812


534.0339, 0.3647,  
0.4152

 69.5169, 0.4011,  
0.4944

 149.9069, 0.3869,  
0.4597


 51.1328, 0.4062,  
0.5095

 186.3974, 0.3828,  
0.4509

 36.3143, 0.4109,  
0.5268


 228.3755, 0.3791,  
0.4432

 24.6770, 0.4142,  
0.5462

 276.2256, 0.3756,  
0.4363

 15.8366, 0.4156,  
0.5692

330.3321, 0.3725,  
0.4302

 9.4086, 0.4093,  
0.5907

391.0794, 0.3697,

 5.0086, 0.3903,

0.4247

0.6097

458.8519, 0.3671,  
0.4197

■ 2.2523, 0.3594,  
0.6406

■ 0.7483, 0.1724,  
0.8276

■ 91.8510, 0.3961,  
0.4812

■ 91.8510, 0.3961,  
0.4812

■ 91.2343, 0.4032,  
0.4956

■ 92.6122, 0.3866,  
0.4627

■ 90.7556, 0.4076,  
0.5056


■ 93.5410, 0.3750,  
0.4409

■ 90.3920, 0.4094,  
0.5112

■ 94.6465, 0.3619,  
0.4168

■ 90.2312, 0.4096,  
0.5130

■ 95.9396, 0.3479,  
0.3914

 97.4305, 0.3335,  
0.3657

 99.1285, 0.3193,  
0.3405

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

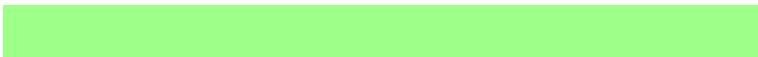
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8510, 0.4590, 0.4341



91.8510, 0.3961, 0.4812



91.8510, 0.3157, 0.4829

# Triad

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



91.8510, 0.3961, 0.4812



91.8510, 0.1667, 0.2484



91.8510, 0.3786, 0.2576

# Complementary

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



91.8510, 0.3961, 0.4812



17.1912, 0.1911, 0.1223

# 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.



91.8510, 0.2897, 0.2186



91.8510, 0.3961, 0.4812



91.8510, 0.1780, 0.2092

# Square

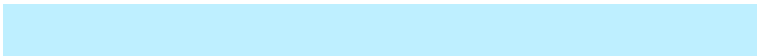
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.8510, 0.3961, 0.4812



91.8510, 0.1864, 0.3232



91.8510, 0.2192, 0.2010



91.8510, 0.4546, 0.3117



# Rectangle

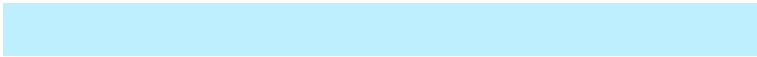
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.8510, 0.3961, 0.4812



91.8510, 0.2626, 0.4462



91.8510, 0.2192, 0.2010



91.8510, 0.3485, 0.2426

# Sweetspot

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



91.8479, 0.3961, 0.4812



96.7641, 0.3397, 0.3768



30.7849, 0.5196, 0.3369



20.6212, 0.3438, 0.3841



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.



91.8479, 0.3961, 0.4812



91.0621, 0.4049, 0.4994



80.1791, 0.3406, 0.5156



21.0372, 0.3261, 0.3525



47.1696, 0.4098, 0.5128



4.6076, 0.4109, 0.5119



# Inverse Universe

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



17.1912, 0.1911, 0.1223



11.2504, 0.1693, 0.0874



24.3310, 0.2510, 0.1500



17.4251, 0.2987, 0.3045



3.8401, 0.1516, 0.0609

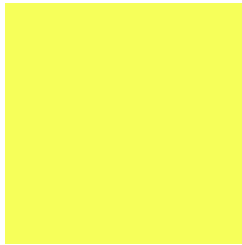


0.3898, 0.1554, 0.0630



# Previews

## White Background



This preview shows how the Yxy color 91.8510, 0.3961, 0.4812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

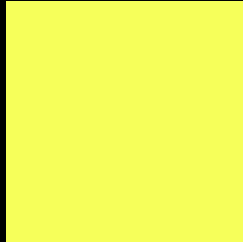
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.8510, 0.3961, 0.4812 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 91.8510, 0.3961, 0.4812**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.8510, 0.3961, 0.4812.



This preview shows how white text looks on a background with the Yxy color 91.8510, 0.3961, 0.4812.

# 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



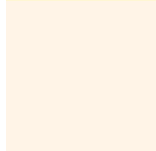
### Original Color

91.8510, 0.3961, 0.4812



### Protanopia

91.8747, 0.3402, 0.3636



### Deuteranopia

91.7309, 0.3279, 0.3418



## Tritanopia

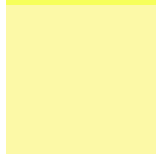
91.7925, 0.3151, 0.3194

# Trichromacy



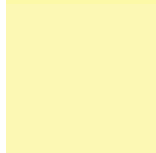
## Original Color

91.8510, 0.3961, 0.4812



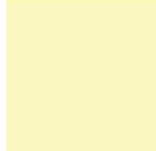
## Protanomaly

91.2368, 0.3646, 0.4107



## Deuteranomaly

91.1255, 0.3570, 0.3970



## Tritanomaly

91.0672, 0.3492, 0.3830

# Monochromacy



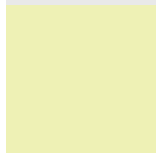
## Original Color

91.8510, 0.3961, 0.4812



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

84.4239, 0.3482, 0.3917

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.8510, 0.3961, 0.4812 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 91.8510, 0.3961, 0.4812 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, 90) }
```

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

```
.border{ border-color:rgb(246, 255, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.8510, 0.3961, 0.4812 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, 90) }
```

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

```
.background{ background-color: rgb(246,  
255, 90) }
```

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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