

# Converting Colors

Yxy(91.4048, 0.4122, 0.5065)

Have a look what the booklet for  
Yxy(91.4048, 0.4122, 0.5065)  
contains.

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**Color**

**Yxy(91.3687, 0.4120, 0.5066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FF1A
RGB	247, 255, 26
RGB Percent	97%, 100%, 10%
CMY	0.0313, 0.0000, 0.8990
CMYK	0.03, 0.00, 0.90, 0.00
HSL	62°, 100%, 55%
HSV	62°, 90%, 100%
XYZ	74.3070, 91.3687, 14.6810
YIQ	226.5020, 68.7410, -72.9150

# Conversions

## Conversions Part 2

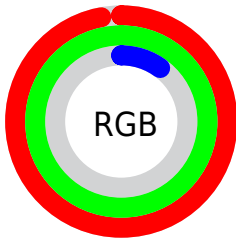
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 255, 34
Decimal	16252698
CIE Lab	96.56, -24.57, 91.52
CIE LCh	97, 94.756, 105.028
Yxy	91.3687, 0.4120, 0.5066
Android (android.graphics.Color)	4294442778 (0xFFFF7FF1A)
YUV	226.5020, -98.8475, 17.9767
Hunter-Lab	95.5870, -28.5157, 57.8046

# Details

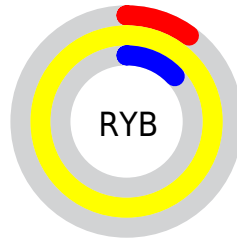
The Yxy color **91.3687, 0.4120, 0.5066** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **8.2833, 0.1556, 0.0676**, and the grayscale version is **77.1123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7593, 0.3973, 0.4689**, and **51.2860, 0.4079, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **91.1371, 0.4132, 0.5101**, and if you desaturate by 10%, it is **91.7006, 0.4086, 0.4993**.

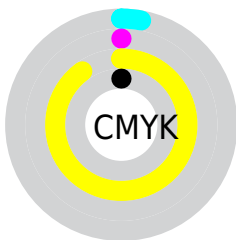
# Distribution



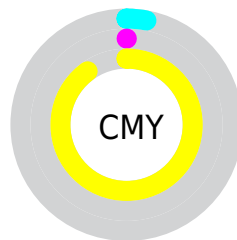
- Red (97%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (13%)



- Cyan (3%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3687, 0.4120, 0.5066 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 91.3687, 0.4120, 0.5066 by changing the saturation by 10% instead.




 91.3687, 0.4120,  
0.5066

 91.3687, 0.4120,  
0.5066


532.4732, 0.3777,  
0.4329


 69.1164, 0.4164,  
0.5200

 149.2381, 0.4029,  
0.4836

 50.8065, 0.4200,  
0.5348


 185.6240, 0.3985,  
0.4739


 36.0546, 0.4222,  
0.5505


 227.4899, 0.3944,  
0.4652

 24.4764, 0.4223,  
0.5679

 275.2202, 0.3905,  
0.4573

 15.6874, 0.4164,  
0.5836

 329.1993, 0.3870,  
0.4503

 9.3032, 0.4025,  
0.5975


389.8116, 0.3836,


 4.9395, 0.3817,


0.4439

0.6183


457.4414, 0.3805,  
0.4381


 2.2118, 0.3479,  
0.6521


 0.7264, 0.1110,  
0.8890


 91.3687, 0.4120,  
0.5066

 91.3687, 0.4120,  
0.5066


 91.1371, 0.4132,  
0.5101


 91.7006, 0.4086,  
0.4993


 91.1350, 0.4132,  
0.5101


 92.1543, 0.4026,  
0.4876


 92.7496, 0.3939,  
0.4716

 93.5014, 0.3830,  
0.4518

 94.4225, 0.3702,  
0.4290

 95.5245, 0.3563,  
0.4044

 96.8181, 0.3417,  
0.3790

 98.3128, 0.3270,  
0.3535

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.



91.3687, 0.4870, 0.4420



91.3687, 0.4120, 0.5066



91.3687, 0.3178, 0.5224

# Triad

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



91.3687, 0.4120, 0.5066



91.3687, 0.1429, 0.2347



91.3687, 0.3845, 0.2409

# Complementary

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



91.3687, 0.4120, 0.5066



8.2833, 0.1556, 0.0676

# 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.



91.3687, 0.2774, 0.1980



91.3687, 0.4120, 0.5066



91.3687, 0.1540, 0.1892

# Square

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



91.3687, 0.4120, 0.5066



91.3687, 0.1657, 0.3263



91.3687, 0.1978, 0.1795



91.3687, 0.4805, 0.3011



# Rectangle

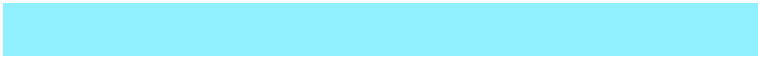
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.3687, 0.4120, 0.5066



91.3687, 0.2554, 0.4820



91.3687, 0.1978, 0.1795



91.3687, 0.3475, 0.2242

# Sweetspot

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



91.3710, 0.4120, 0.5066



95.8798, 0.3521, 0.3971



22.4430, 0.6219, 0.3325



20.4331, 0.3570, 0.4057



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.



91.3710, 0.4120, 0.5066



91.1350, 0.4132, 0.5101



76.5583, 0.3364, 0.5651



21.0566, 0.3264, 0.3525



47.6343, 0.4133, 0.5101



4.6477, 0.4140, 0.5095



# Inverse Universe

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



8.2833, 0.1556, 0.0676



7.2773, 0.1507, 0.0604



14.2452, 0.2178, 0.1013



17.4079, 0.2984, 0.3044



3.8156, 0.1510, 0.0606

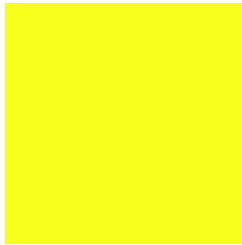


0.3816, 0.1535, 0.0619



# Previews

## White Background



This preview shows how the Yxy color 91.3687, 0.4120, 0.5066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

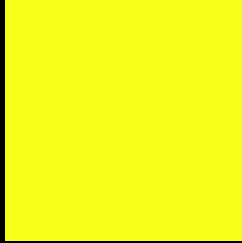
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.3687, 0.4120, 0.5066 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 91.3687, 0.4120, 0.5066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3687, 0.4120, 0.5066.

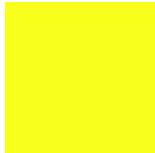


This preview shows how white text looks on a background with the Yxy color 91.3687, 0.4120, 0.5066.

# Color Blindness Simulation

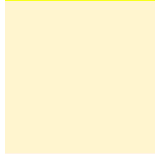
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



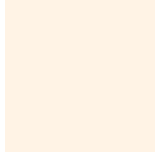
### Original Color

91.3687, 0.4120, 0.5066



### Protanopia

91.0698, 0.3429, 0.3667



### Deuteranopia

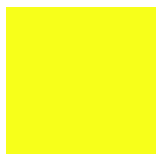
91.0183, 0.3293, 0.3428



## Tritanopia

91.0727, 0.3164, 0.3203

# Trichromacy



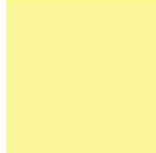
## Original Color

91.3687, 0.4120, 0.5066



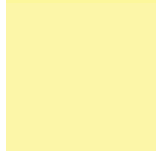
## Protanomaly

90.3699, 0.3796, 0.4351



## Deuteranomaly

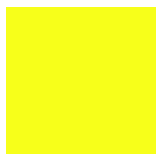
89.5835, 0.3724, 0.4205



## Tritanomaly

89.4341, 0.3649, 0.4071

# Monochromacy



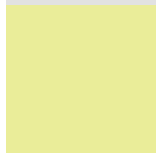
## Original Color

91.3687, 0.4120, 0.5066



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

80.3607, 0.3639, 0.4179

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3687, 0.4120, 0.5066 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(247, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 26)  
}
```

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(247, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3687, 0.4120, 0.5066 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(247, 255, 26) }
```

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

```
.border{ border-color:rgb(247, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3687, 0.4120, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 26) }
```

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

```
.background{ background-color: rgb(247,  
255, 26) }
```

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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