

# Converting Colors

Yxy(91.0687, 0.3992, 0.4916)

Have a look what the booklet for  
Yxy(91.0687, 0.3992, 0.4916)  
contains.

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# Color

**Yxy(91.0691, 0.3994, 0.4918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FF4A
RGB	243, 255, 74
RGB Percent	95%, 100%, 29%
CMY	0.0470, 0.0000, 0.7100
CMYK	0.05, 0.00, 0.71, 0.00
HSL	64°, 100%, 64%
HSV	64°, 71%, 100%
XYZ	73.9589, 91.0691, 20.1470
YIQ	230.7780, 50.9490, -58.8350

# Conversions

## Conversions Part 2

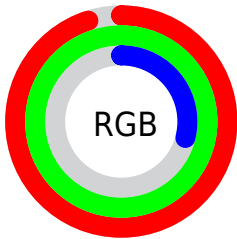
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 255, 86
Decimal	15990602
CIELab	96.44, -24.76, 79.89
CIELCh	96, 83.641, 107.218
Yxy	91.0691, 0.3994, 0.4918
Android (android.graphics.Color)	4294180682 (0xFFFF3FF4A)
YUV	230.7780, -77.2916, 10.7187
Hunter-Lab	95.4301, -28.6642, 54.2839

# Details

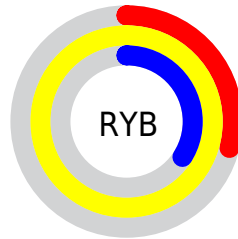
The Yxy color **91.0691, 0.3994, 0.4918** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.0849, 0.1809, 0.1048**, and the grayscale version is **80.2914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **50.4554, 0.4061, 0.5158** is the 20% darker color. If you saturate the color by 10%, you get **90.4943, 0.4046, 0.5037**, and if you desaturate by 10%, it is **91.7875, 0.3916, 0.4755**.

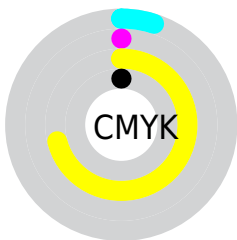
# Distribution



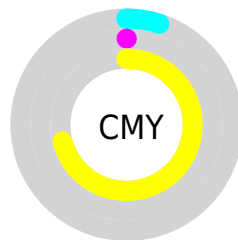
- Red (95%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (34%)



- Cyan (5%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.0691, 0.3994, 0.4918 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 91.0691, 0.3994, 0.4918 by changing the saturation by 10% instead.




 91.0691, 0.3994,  
0.4918


 91.0691, 0.3994,  
0.4918


531.5025, 0.3677,  
0.4218

 68.8677, 0.4041,  
0.5055


 148.8225, 0.3904,  
0.4692


 50.6040, 0.4086,  
0.5211


 185.1433, 0.3863,  
0.4599


 35.8935, 0.4122,  
0.5386


 226.9394, 0.3825,  
0.4516

 24.3520, 0.4138,  
0.5578

 274.5952, 0.3791,  
0.4443

 15.5949, 0.4155,  
0.5840

 328.4949, 0.3759,  
0.4377

 9.2380, 0.4016,  
0.5984

389.0231, 0.3729,

 4.8967, 0.3806,

0.4319

0.6194

456.5642, 0.3702,  
0.4266

■ 2.1868, 0.3463,  
0.6537

■ 0.7128, 0.0930,  
0.9070

■ 91.0691, 0.3994,  
0.4918

■ 91.0691, 0.3994,  
0.4918

■ 90.4943, 0.4046,  
0.5037

■ 91.7875, 0.3916,  
0.4755


■ 90.0425, 0.4071,  
0.5111

■ 92.6620, 0.3814,  
0.4555


■ 89.7166, 0.4076,  
0.5146


■ 93.7065, 0.3694,  
0.4325

■ 94.9327, 0.3561,  
0.4077

 96.3513, 0.3422,  
0.3820

 97.9721, 0.3280,  
0.3563

 99.8042, 0.3141,  
0.3314

 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.



91.0691, 0.4675, 0.4395



91.0691, 0.3994, 0.4918



91.0691, 0.3138, 0.4956

# Triad

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



91.0691, 0.3994, 0.4918



91.0691, 0.1580, 0.2416



91.0691, 0.3840, 0.2534

# Complementary

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



91.0691, 0.3994, 0.4918



14.0849, 0.1809, 0.1048

# 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.



91.0691, 0.2884, 0.2122



91.0691, 0.3994, 0.4918



91.0691, 0.1702, 0.2013

# Square

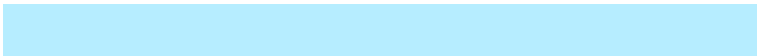
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.0691, 0.3994, 0.4918



91.0691, 0.1777, 0.3210



91.0691, 0.2135, 0.1934



91.0691, 0.4658, 0.3101



# Rectangle

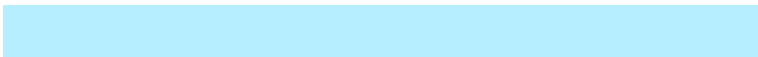
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0691, 0.3994, 0.4918



91.0691, 0.2575, 0.4557



91.0691, 0.2135, 0.1934



91.0691, 0.3515, 0.2375

# Sweetspot

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



91.0699, 0.3994, 0.4918



96.3518, 0.3421, 0.3820



27.9392, 0.5492, 0.3368



20.5352, 0.3460, 0.3891



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.



91.0699, 0.3994, 0.4918



90.3000, 0.4059, 0.5072



79.0236, 0.3403, 0.5315



21.0259, 0.3259, 0.3525



46.9050, 0.4078, 0.5144



4.5847, 0.4092, 0.5133



# Inverse Universe

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



14.0849, 0.1809, 0.1048



9.3685, 0.1617, 0.0750



21.0538, 0.2433, 0.1353



17.4352, 0.2989, 0.3045



3.8557, 0.1520, 0.0611

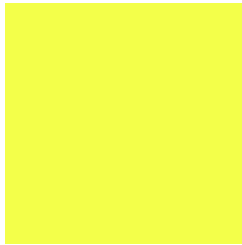


0.3946, 0.1565, 0.0636



# Previews

## White Background



This preview shows how the Yxy color 91.0691, 0.3994, 0.4918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

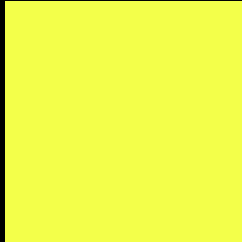
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.0691, 0.3994, 0.4918 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 91.0691, 0.3994, 0.4918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.0691, 0.3994, 0.4918.



This preview shows how white text looks on a background with the Yxy color 91.0691, 0.3994, 0.4918.

# 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



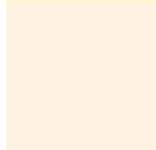
### Original Color

91.0691, 0.3994, 0.4918



### Protanopia

90.9726, 0.3442, 0.3687



### Deuteranopia

90.9626, 0.3299, 0.3438



## Tritanopia

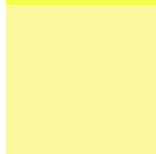
90.6720, 0.3146, 0.3165

# Trichromacy



## Original Color

91.0691, 0.3994, 0.4918



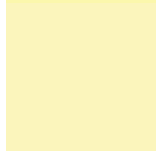
## Protanomaly

90.6949, 0.3698, 0.4206



## Deuteranomaly

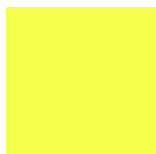
90.0093, 0.3615, 0.4042



## Tritanomaly

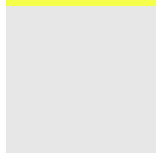
89.4449, 0.3521, 0.3864

# Monochromacy



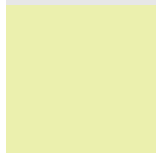
## Original Color

91.0691, 0.3994, 0.4918



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

83.0383, 0.3507, 0.3986

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.0691, 0.3994, 0.4918 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(243, 255, 74)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 74)  
}
```

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(243, 255, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 91.0691, 0.3994, 0.4918 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(243, 255, 74) }
```

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

```
.border{ border-color:rgb(243, 255, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 74);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.0691, 0.3994, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 74) }
```

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

```
.background{ background-color: rgb(243,  
255, 74) }
```

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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