

# Converting Colors

$Y_{xy}(92.8734, 0.3610, 0.4268)$

Have a look what the booklet for  
Yxy(92.8734, 0.3610, 0.4268)  
contains.

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# Color

**Yxy(92.8659, 0.3611, 0.4269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FF9E
RGB	242, 255, 158
RGB Percent	95%, 100%, 62%
CMY	0.0509, 0.0000, 0.3805
CMYK	0.05, 0.00, 0.38, 0.00
HSL	68°, 100%, 81%
HSV	68°, 38%, 100%
XYZ	78.5521, 92.8659, 46.1175
YIQ	240.0550, 23.3890, -32.9230

# Conversions

## Conversions Part 2

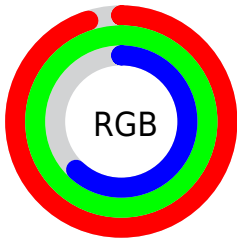
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 255, 171
Decimal	15925150
CIE <sub>Lab</sub>	97.17, -18.60, 44.93
CIE <sub>LCh</sub>	97, 48.624, 112.484
Yxy	92.8659, 0.3611, 0.4269
Android (android.graphics.Color)	4294115230 (0xFFFF2FF9E)
YUV	240.0550, -40.4531, 1.7058
Hunter-Lab	96.3670, -23.1406, 39.0830

# Details

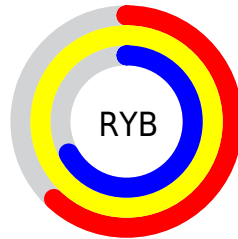
The Yxy color **92.8659, 0.3611, 0.4269** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.3157, 0.2513, 0.2153**, and the grayscale version is **87.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **51.7224, 0.3699, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **91.4813, 0.3723, 0.4516**, and if you desaturate by 10%, it is **94.4485, 0.3488, 0.4009**.

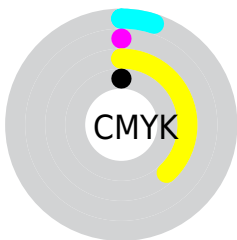
# Distribution



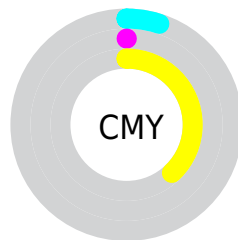
- Red (95%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8659, 0.3611, 0.4269 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 92.8659, 0.3611, 0.4269 by changing the saturation by 10% instead.





 92.8659, 0.3611,  
0.4269


 92.8659, 0.3611,  
0.4269


537.3101, 0.3411,  
0.3828

 70.3600, 0.3650,  
0.4365


 151.3129, 0.3547,  
0.4119

 51.8201, 0.3695,  
0.4481


 188.0229, 0.3520,  
0.4060

 36.8617, 0.3746,  
0.4624


230.2364, 0.3497,  
0.4008

 25.1004, 0.3803,  
0.4801

278.3378, 0.3476,  
0.3963

 16.1519, 0.3864,  
0.5026

332.7114, 0.3457,  
0.3923

 9.6317, 0.3919,  
0.5314

393.7418, 0.3440,

 5.1555, 0.4031,

0.3888

0.5817

461.8132, 0.3425,  
0.3856

■ 2.3388, 0.3849,  
0.6151

■ 0.7941, 0.2747,  
0.7253

■ 92.8659, 0.3611,  
0.4269

■ 92.8659, 0.3611,  
0.4269

■ 91.4813, 0.3723,  
0.4516

■ 94.4485, 0.3488,  
0.4009

■ 90.2765, 0.3818,  
0.4739


■ 96.2326, 0.3359,  
0.3747


■ 89.2409, 0.3891,  
0.4928


■ 98.2303, 0.3230,  
0.3489

■ 88.3603, 0.3939,  
0.5075

100.0000, 0.3127,  
0.3290

 87.6176, 0.3960,  
0.5175

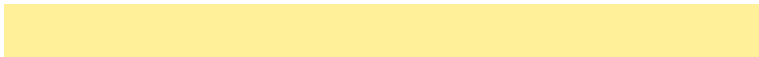
 86.9896, 0.3957,  
0.5233

 86.8742, 0.3955,  
0.5242

# Harmonies

## Analogous

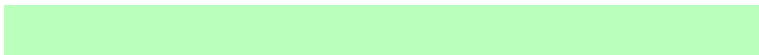
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8659, 0.4028, 0.4077



92.8659, 0.3611, 0.4269



92.8659, 0.3084, 0.4155

# Triad

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



92.8659, 0.3611, 0.4269



92.8659, 0.2153, 0.2734



92.8659, 0.3645, 0.2890

# Complementary

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



92.8659, 0.3611, 0.4269



40.3157, 0.2513, 0.2153

# 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.



92.8659, 0.3096, 0.2592



92.8659, 0.3611, 0.4269



92.8659, 0.2270, 0.2484

# Square

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



92.8659, 0.3611, 0.4269



92.8659, 0.2264, 0.3183



92.8659, 0.2599, 0.2445



92.8659, 0.4067, 0.3285

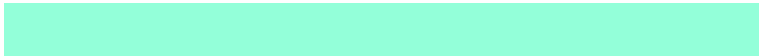


# Rectangle

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



92.8659, 0.3611, 0.4269



92.8659, 0.2745, 0.3897



92.8659, 0.2599, 0.2445



92.8659, 0.3466, 0.2777

# Sweetspot

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



92.8682, 0.3611, 0.4269



97.6185, 0.3268, 0.3564



52.8183, 0.4022, 0.3429



20.8355, 0.3285, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

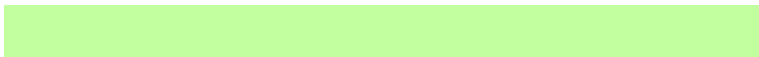
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8682, 0.3611, 0.4269



91.7506, 0.3701, 0.4467



85.3971, 0.3287, 0.4382



20.9603, 0.3248, 0.3526



45.4415, 0.3959, 0.5239



4.4571, 0.3987, 0.5216



# Inverse Universe

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



40.3157, 0.2513, 0.2153



32.1216, 0.2356, 0.1877



46.7890, 0.2881, 0.2261



17.4942, 0.2999, 0.3046



3.9868, 0.1550, 0.0628

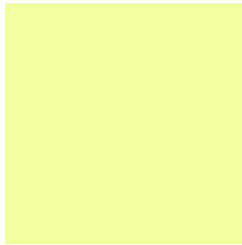


0.4224, 0.1630, 0.0672



# Previews

## White Background



This preview shows how the Yxy color 92.8659, 0.3611, 0.4269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

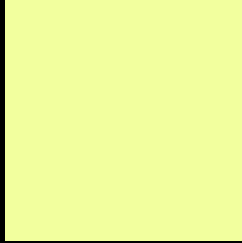
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8659, 0.3611, 0.4269 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

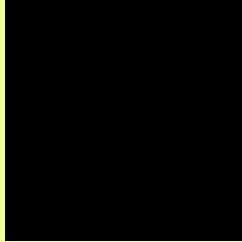
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

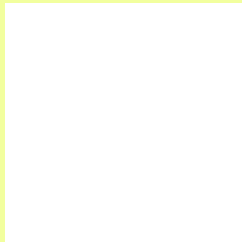
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8659, 0.3611, 0.4269**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8659, 0.3611, 0.4269.

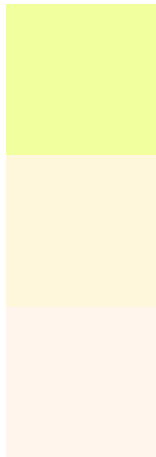


This preview shows how white text looks on a background with the Yxy color 92.8659, 0.3611, 0.4269.

# 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

92.8659, 0.3611, 0.4269

### Protanopia

92.8960, 0.3350, 0.3566

### Deuteranopia

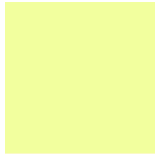
92.6209, 0.3247, 0.3378



## Tritanopia

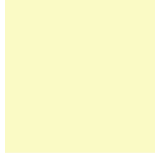
92.4306, 0.3106, 0.3184

# Trichromacy



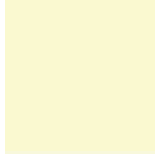
## Original Color

92.8659, 0.3611, 0.4269



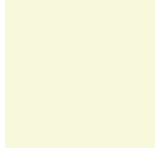
## Protanomaly

92.7264, 0.3448, 0.3820



## Deuteranomaly

92.6294, 0.3382, 0.3699



## Tritanomaly

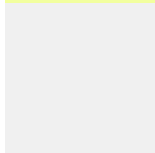
92.2586, 0.3296, 0.3569

# Monochromacy



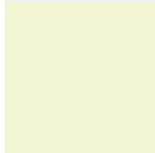
## Original Color

92.8659, 0.3611, 0.4269



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.6587, 0.3314, 0.3648

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.8659, 0.3611, 0.4269 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(242, 255, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 158)  
}
```

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(242, 255, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8659, 0.3611, 0.4269 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(242, 255, 158) }
```

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

```
.border{ border-color:rgb(242, 255, 158) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8659, 0.3611, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 158) }
```

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

```
.background{ background-color: rgb(242,  
255, 158) }
```

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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