

# Converting Colors

$Yxy(92.6934, 0.3638, 0.4317)$

Have a look what the booklet for  
Yxy(92.6934, 0.3638, 0.4317)  
contains.

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# Color

**Yxy(92.6972, 0.3638, 0.4317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FF99
RGB	242, 255, 153
RGB Percent	95%, 100%, 60%
CMY	0.0511, 0.0000, 0.4000
CMYK	0.05, 0.00, 0.40, 0.00
HSL	68°, 100%, 80%
HSV	68°, 40%, 100%
XYZ	78.1173, 92.6972, 43.9115
YIQ	239.4850, 24.9940, -34.4780

# Conversions

## Conversions Part 2

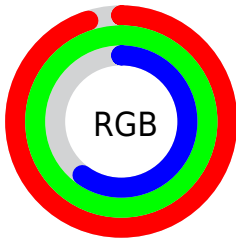
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 255, 166
Decimal	15925145
CIE <sub>Lab</sub>	97.10, -19.17, 47.24
CIE <sub>LCh</sub>	97, 50.984, 112.083
Yxy	92.6972, 0.3638, 0.4317
Android (android.graphics.Color)	4294115225 (0xFFFF2FF99)
YUV	239.4850, -42.6371, 2.2057
Hunter-Lab	96.2794, -23.6610, 40.3544

# Details

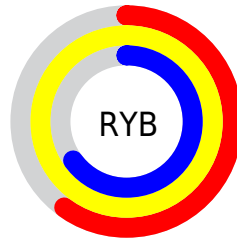
The Yxy color **92.6972, 0.3638, 0.4317** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1145, 0.2470, 0.2084**, and the grayscale version is **87.0281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **51.4986, 0.3723, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **91.3638, 0.3748, 0.4559**, and if you desaturate by 10%, it is **94.2065, 0.3516, 0.4060**.

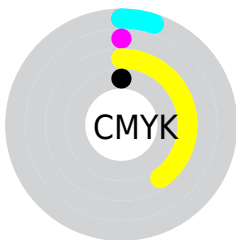
# Distribution



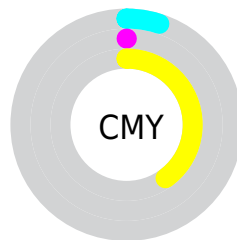
- Red (95%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.6972, 0.3638, 0.4317 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 92.6972, 0.3638, 0.4317 by changing the saturation by 10% instead.





 92.6972, 0.3638,  
0.4317

 92.6972, 0.3638,  
0.4317

536.7662, 0.3428,  
0.3855

 70.2199, 0.3679,  
0.4418


 151.0793, 0.3571,  
0.4160

 51.7058, 0.3725,  
0.4539


 187.7529, 0.3543,  
0.4098

 36.7706, 0.3777,  
0.4686


229.9273, 0.3519,  
0.4044

 25.0299, 0.3834,  
0.4870

277.9870, 0.3497,  
0.3997

 16.0994, 0.3894,  
0.5101

332.3164, 0.3477,  
0.3955

 9.5945, 0.3942,  
0.5392

393.2997, 0.3459,

 5.1309, 0.4067,

0.3918

0.5933

461.3216, 0.3443,  
0.3885

■ 2.3243, 0.3814,  
0.6186

■ 0.7865, 0.2623,  
0.7377

■ 92.6972, 0.3638,  
0.4317

■ 92.6972, 0.3638,  
0.4317

■ 91.3638, 0.3748,  
0.4559

■ 94.2065, 0.3516,  
0.4060

■ 90.2163, 0.3841,  
0.4775

■ 95.9240, 0.3386,  
0.3797

■ 89.2346, 0.3910,  
0.4955

■ 97.8521, 0.3256,  
0.3539

■ 88.4037, 0.3954,  
0.5092

100.0000, 0.3127,  
0.3290

■ 87.7060, 0.3971,  
0.5182

■ 87.1126, 0.3965,  
0.5233

■ 87.1125, 0.3965,  
0.5233

# Harmonies

## Analogous

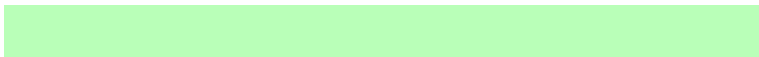
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6972, 0.4074, 0.4106



92.6972, 0.3638, 0.4317



92.6972, 0.3087, 0.4205

# Triad

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



92.6972, 0.3638, 0.4317



92.6972, 0.2111, 0.2710



92.6972, 0.3662, 0.2867

# Complementary

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



92.6972, 0.3638, 0.4317



38.1145, 0.2470, 0.2084

# 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.



92.6972, 0.3085, 0.2559



92.6972, 0.3638, 0.4317



92.6972, 0.2229, 0.2449

# Square

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



92.6972, 0.3638, 0.4317



92.6972, 0.2228, 0.3182



92.6972, 0.2568, 0.2407



92.6972, 0.4109, 0.3276

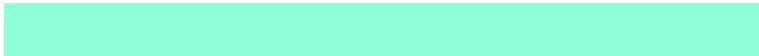


# Rectangle

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



92.6972, 0.3638, 0.4317



92.6972, 0.2732, 0.3936



92.6972, 0.2568, 0.2407



92.6972, 0.3474, 0.2750

# Sweetspot

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



92.6900, 0.3638, 0.4317



97.4491, 0.3282, 0.3590



50.4346, 0.4095, 0.3418



20.8028, 0.3299, 0.3623



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

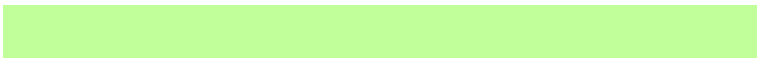
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.6900, 0.3638, 0.4317



91.6143, 0.3727, 0.4512



85.0396, 0.3304, 0.4440



20.9660, 0.3249, 0.3526



45.5643, 0.3969, 0.5230



4.4679, 0.3996, 0.5209



# Inverse Universe

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



38.1145, 0.2470, 0.2084



30.2049, 0.2310, 0.1806



44.5867, 0.2851, 0.2202



17.4890, 0.2998, 0.3045



3.9724, 0.1547, 0.0626

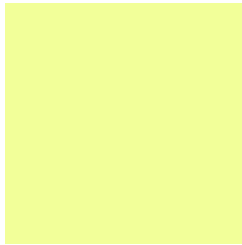


0.4199, 0.1625, 0.0669



# Previews

## White Background



This preview shows how the Yxy color 92.6972, 0.3638, 0.4317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

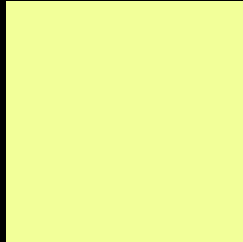
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.6972, 0.3638, 0.4317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

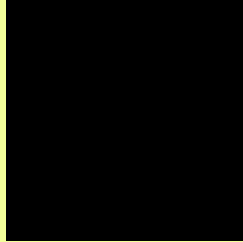
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.6972, 0.3638, 0.4317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.6972, 0.3638, 0.4317.

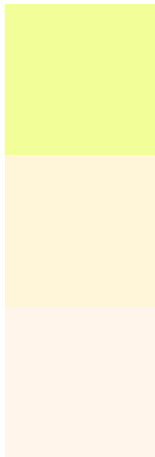


This preview shows how white text looks on a background with the Yxy color 92.6972, 0.3638, 0.4317.

# 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**

92.6972, 0.3638, 0.4317

**Protanopia**

92.1813, 0.3364, 0.3576

**Deuteranopia**

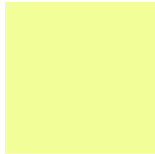
92.5630, 0.3253, 0.3388



## Tritanopia

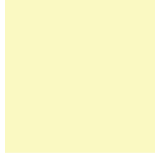
92.4306, 0.3106, 0.3184

# Trichromacy



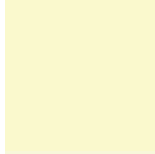
## Original Color

92.6972, 0.3638, 0.4317



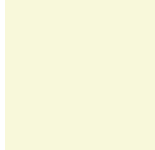
## Protanomaly

91.9704, 0.3468, 0.3841



## Deuteranomaly

92.4831, 0.3400, 0.3730



## Tritanomaly

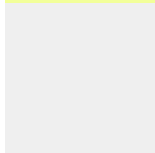
92.1532, 0.3308, 0.3590

# Monochromacy



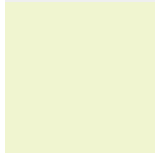
## Original Color

92.6972, 0.3638, 0.4317



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.3841, 0.3320, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.6972, 0.3638, 0.4317 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 92.6972, 0.3638, 0.4317 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, 153) }
```

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

```
.border{ border-color:rgb(242, 255, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.6972, 0.3638, 0.4317 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, 153) }
```

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

```
.background{ background-color: rgb(242,  
255, 153) }
```

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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