

# Converting Colors

Yxy(92.5681, 0.3633, 0.4319)

Have a look what the booklet for  
Yxy(92.5681, 0.3633, 0.4319)  
contains.

<b>Yxy(92.5207, 0.3631, 0.4319)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(92.5207, 0.3631, 0.4319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FF99
RGB	241, 255, 153
RGB Percent	95%, 100%, 60%
CMY	0.0550, 0.0000, 0.3998
CMYK	0.05, 0.00, 0.40, 0.00
HSL	68°, 100%, 80%
HSV	68°, 40%, 100%
XYZ	77.7825, 92.5207, 43.9147
YIQ	239.1860, 24.3980, -34.6900

# Conversions

## Conversions Part 2

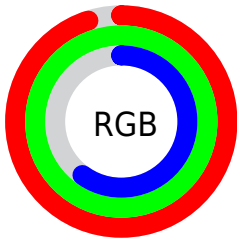
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 255, 167
Decimal	15859609
CIE <sub>Lab</sub>	97.03, -19.53, 47.12
CIE <sub>LCh</sub>	97, 51.003, 112.512
Yxy	92.5207, 0.3631, 0.4319
Android (android.graphics.Color)	4294049689 (0xFFFF1FF9)
YUV	239.1860, -42.4897, 1.5909
Hunter-Lab	96.1877, -23.9838, 40.2624

# Details

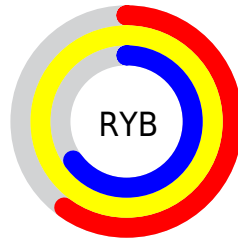
The Yxy color **92.5207, 0.3631, 0.4319** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.2408, 0.2478, 0.2087**, and the grayscale version is **86.7899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **51.3755, 0.3714, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **91.1521, 0.3739, 0.4563**, and if you desaturate by 10%, it is **94.0762, 0.3510, 0.4061**.

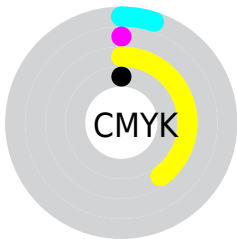
# Distribution



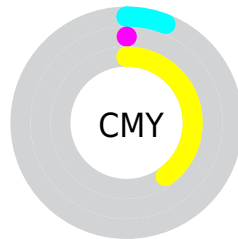
- Red (95%)
- Green (100%)
- Blue (60%)



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



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




- Cyan (6%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5207, 0.3631, 0.4319 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 92.5207, 0.3631, 0.4319 by changing the saturation by 10% instead.



 92.5207, 0.3631,  
0.4319

 92.5207, 0.3631,  
0.4319

536.1969, 0.3424,  
0.3855

 70.0732, 0.3671,  
0.4420


 150.8349, 0.3565,  
0.4162

 51.5862, 0.3716,  
0.4542

 187.4703, 0.3538,  
0.4099

 36.6754, 0.3767,  
0.4690


229.6039, 0.3513,  
0.4045

 24.9562, 0.3824,  
0.4875

277.6199, 0.3492,  
0.3998

 16.0444, 0.3881,  
0.5108

331.9028, 0.3472,  
0.3956

 9.5556, 0.3928,  
0.5402

392.8371, 0.3455,

 5.1053, 0.4050,

0.3919

0.5950

460.8070, 0.3439,  
0.3885

■ 2.3092, 0.3791,  
0.6209

■ 0.7786, 0.2527,  
0.7473

■ 92.5207, 0.3631,  
0.4319

■ 92.5207, 0.3631,  
0.4319

■ 91.1521, 0.3739,  
0.4563

■ 94.0762, 0.3510,  
0.4061

■ 89.9663, 0.3830,  
0.4780

■ 95.8368, 0.3383,  
0.3798

■ 88.9478, 0.3898,  
0.4963

■ 97.8098, 0.3254,  
0.3538

■ 88.0818, 0.3940,  
0.5102

100.0000, 0.3127,  
0.3290

■ 87.3506, 0.3955,  
0.5194

■ 86.7253, 0.3948,  
0.5247

■ 86.7242, 0.3948,  
0.5247

# Harmonies

## Analogous

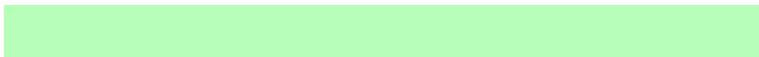
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5207, 0.4070, 0.4112



92.5207, 0.3631, 0.4319



92.5207, 0.3079, 0.4202

# Triad

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



92.5207, 0.3631, 0.4319



92.5207, 0.2110, 0.2704



92.5207, 0.3671, 0.2872

# Complementary

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



92.5207, 0.3631, 0.4319



38.2408, 0.2478, 0.2087

# 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.



92.5207, 0.3093, 0.2562



92.5207, 0.3631, 0.4319



92.5207, 0.2231, 0.2447

# Square

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



92.5207, 0.3631, 0.4319



92.5207, 0.2224, 0.3174



92.5207, 0.2574, 0.2407



92.5207, 0.4115, 0.3282

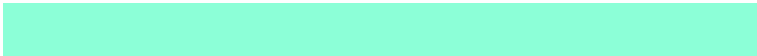


# Rectangle

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



92.5207, 0.3631, 0.4319



92.5207, 0.2724, 0.3929



92.5207, 0.2574, 0.2407



92.5207, 0.3483, 0.2754

# Sweetspot

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



92.5182, 0.3631, 0.4319



97.3940, 0.3280, 0.3590



51.0673, 0.4087, 0.3436



20.7898, 0.3297, 0.3624



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

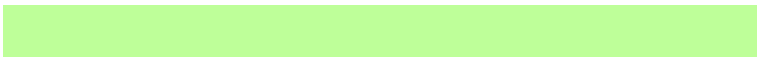
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.5182, 0.3631, 0.4319



91.4081, 0.3719, 0.4516



84.8240, 0.3293, 0.4443



20.9566, 0.3248, 0.3526



45.3642, 0.3952, 0.5244



4.4504, 0.3981, 0.5221



# Inverse Universe

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



38.2408, 0.2478, 0.2087



30.3163, 0.2319, 0.1809



44.8642, 0.2865, 0.2207



17.4975, 0.3000, 0.3046



3.9963, 0.1552, 0.0629

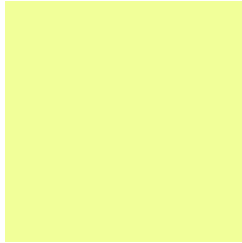


0.4239, 0.1634, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 92.5207, 0.3631, 0.4319 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 92.5207, 0.3631, 0.4319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

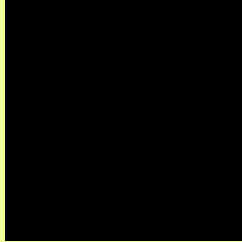
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.5207, 0.3631, 0.4319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5207, 0.3631, 0.4319.

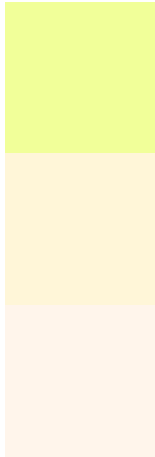


This preview shows how white text looks on a background with the Yxy color 92.5207, 0.3631, 0.4319.

# 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

92.5207, 0.3631, 0.4319

### Protanopia

92.1294, 0.3371, 0.3586

### Deuteranopia

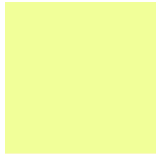
92.5630, 0.3253, 0.3388



## Tritanopia

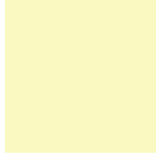
92.4306, 0.3106, 0.3184

# Trichromacy



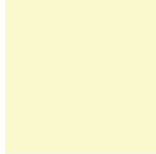
## Original Color

92.5207, 0.3631, 0.4319



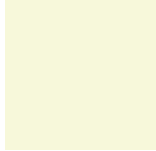
## Protanomaly

91.9256, 0.3474, 0.3851



## Deuteranomaly

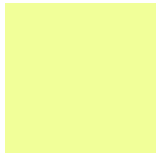
92.4831, 0.3400, 0.3730



## Tritanomaly

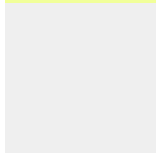
91.9709, 0.3302, 0.3590

# Monochromacy



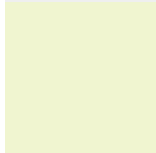
## Original Color

92.5207, 0.3631, 0.4319



## 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 92.5207, 0.3631, 0.4319 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(241, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5207, 0.3631, 0.4319 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(241, 255, 153) }
```

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

```
.border{ border-color:rgb(241, 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(241, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(241, 255, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(241, 255, 153); box-shadow:4px 4px 4px 4px rgb(241, 255, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5207, 0.3631, 0.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 153) }
```

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

```
.background{ background-color: rgb(241,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor