

# Converting Colors

$Yxy(90.8677, 0.3682, 0.4504)$

Have a look what the booklet for  
Yxy(90.8677, 0.3682, 0.4504)  
contains.

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# Color

**Yxy(90.9314, 0.3685, 0.4504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFF87
RGB	235, 255, 135
RGB Percent	92%, 100%, 53%
CMY	0.0784, 0.0000, 0.4705
CMYK	0.08, 0.00, 0.47, 0.00
HSL	70°, 100%, 76%
HSV	70°, 47%, 100%
XYZ	74.3966, 90.9314, 36.5623
YIQ	235.3400, 26.6000, -41.5600

# Conversions

## Conversions Part 2

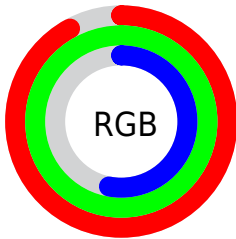
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 255, 155
Decimal	15466375
CIELab	96.38, -23.61, 54.75
CIELCh	96, 59.622, 113.327
Yxy	90.9314, 0.3685, 0.4504
Android (android.graphics.Color)	4293656455 (0xFFEBFF87)
YUV	235.3400, -49.4676, -0.2982
Hunter-Lab	95.3580, -27.6139, 44.0175

# Details

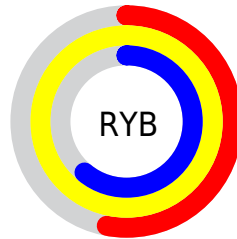
The Yxy color **90.9314, 0.3685, 0.4504** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.5279, 0.2362, 0.1851**, and the grayscale version is **83.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **50.3445, 0.3767, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **89.5835, 0.3776, 0.4736**, and if you desaturate by 10%, it is **92.4716, 0.3578, 0.4251**.

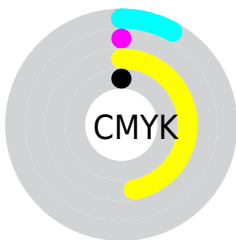
# Distribution



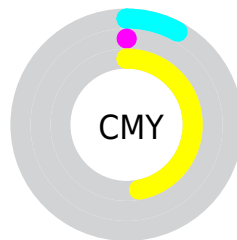
- Red (92%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (61%)



- Cyan (8%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9314, 0.3685, 0.4504 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 90.9314, 0.3685, 0.4504 by changing the saturation by 10% instead.





 90.9314, 0.3685,  
0.4504


 90.9314, 0.3685,  
0.4504


531.0560, 0.3463,  
0.3956


 68.7534, 0.3725,  
0.4622


 148.6315, 0.3616,  
0.4319

 50.5109, 0.3770,  
0.4764


 184.9223, 0.3587,  
0.4245

 35.8195, 0.3817,  
0.4936


 226.6863, 0.3561,  
0.4181

 24.2948, 0.3863,  
0.5146


274.3077, 0.3537,  
0.4125

 15.5525, 0.3899,  
0.5405

328.1710, 0.3516,  
0.4075

 9.2080, 0.3915,  
0.5737

388.6605, 0.3496,

 4.8771, 0.3856,

0.4031

0.6144

456.1608, 0.3479,  
0.3991

■ 2.1753, 0.3528,  
0.6472

■ 0.7065, 0.1187,  
0.8813

■ 90.9314, 0.3685,  
0.4504

■ 90.9314, 0.3685,  
0.4504

■ 89.5835, 0.3776,  
0.4736

■ 92.4716, 0.3578,  
0.4251

■ 88.4108, 0.3846,  
0.4936

■ 94.2110, 0.3460,  
0.3987

■ 87.4004, 0.3890,  
0.5094

■ 96.1615, 0.3337,  
0.3722

■ 86.5357, 0.3908,  
0.5207

■ 98.3326, 0.3213,  
0.3464

■ 85.7953, 0.3901,  
0.5274

100.0000, 0.3127,  
0.3290

■ 85.5910, 0.3896,  
0.5289

# Harmonies

## Analogous

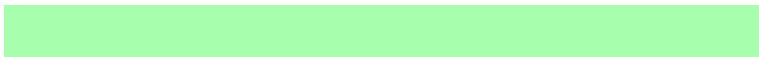
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9314, 0.4209, 0.4244



90.9314, 0.3685, 0.4504



90.9314, 0.3041, 0.4371

# Triad

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



90.9314, 0.3685, 0.4504



90.9314, 0.1955, 0.2587



90.9314, 0.3781, 0.2814

# Complementary

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



90.9314, 0.3685, 0.4504



31.5279, 0.2362, 0.1851

# 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.



90.9314, 0.3100, 0.2459



90.9314, 0.3685, 0.4504



90.9314, 0.2100, 0.2308

# Square

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



90.9314, 0.3685, 0.4504



90.9314, 0.2072, 0.3124



90.9314, 0.2495, 0.2276



90.9314, 0.4300, 0.3281



# Rectangle

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



90.9314, 0.3685, 0.4504



90.9314, 0.2633, 0.4036



90.9314, 0.2495, 0.2276



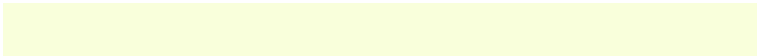
90.9314, 0.3559, 0.2680

# Sweetspot

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



90.9329, 0.3685, 0.4504



96.7991, 0.3299, 0.3642



46.4615, 0.4322, 0.3502



20.6219, 0.3326, 0.3699



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

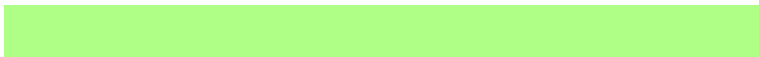
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9329, 0.3685, 0.4504



89.7162, 0.3767, 0.4713



82.3865, 0.3285, 0.4681



20.9285, 0.3243, 0.3527



44.7798, 0.3901, 0.5284



4.3989, 0.3936, 0.5257



# Inverse Universe

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



31.5279, 0.2362, 0.1851



24.0869, 0.2187, 0.1548



39.0053, 0.2837, 0.2021



17.5232, 0.3005, 0.3046



4.0777, 0.1571, 0.0639

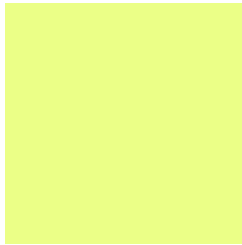


0.4359, 0.1661, 0.0689



# Previews

## White Background



This preview shows how the Yxy color 90.9314, 0.3685, 0.4504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

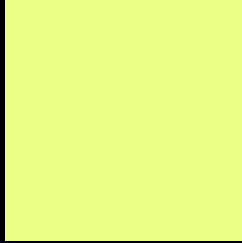
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.9314, 0.3685, 0.4504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

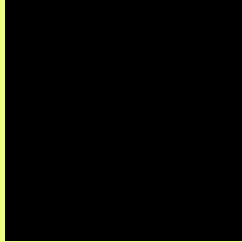
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.9314, 0.3685, 0.4504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.9314, 0.3685, 0.4504.

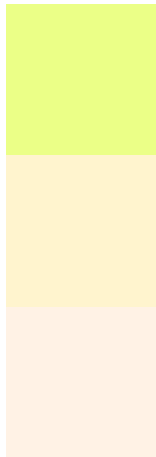


This preview shows how white text looks on a background with the Yxy color 90.9314, 0.3685, 0.4504.

# 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

90.9314, 0.3685, 0.4504

### Protanopia

90.4176, 0.3437, 0.3668

### Deuteranopia

90.4214, 0.3294, 0.3418



## Tritanopia

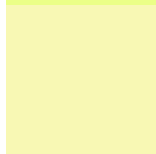
90.6807, 0.3088, 0.3164

# Trichromacy



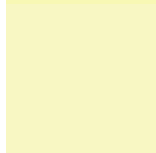
## Original Color

90.9314, 0.3685, 0.4504



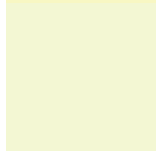
## Protanomaly

90.3865, 0.3543, 0.3977



## Deuteranomaly

90.4181, 0.3452, 0.3815



## Tritanomaly

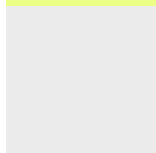
90.2794, 0.3319, 0.3655

# Monochromacy



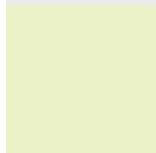
## Original Color

90.9314, 0.3685, 0.4504



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

85.2900, 0.3346, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.9314, 0.3685, 0.4504 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(235, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 135)  
}
```

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(235, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 90.9314, 0.3685, 0.4504 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(235, 255, 135) }
```

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

```
.border{ border-color:rgb(235, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.9314, 0.3685, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 135) }
```

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

```
.background{ background-color: rgb(235,  
255, 135) }
```

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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