

# Converting Colors

$Yxy(92.4537, 0.3551, 0.4199)$

Have a look what the booklet for  
Yxy(92.4537, 0.3551, 0.4199)  
contains.

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# Color

**Yxy(92.5873, 0.3551, 0.4207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFFA5
RGB	239, 255, 165
RGB Percent	94%, 100%, 65%
CMY	0.0627, 0.0000, 0.3530
CMYK	0.06, 0.00, 0.35, 0.00
HSL	71°, 100%, 82%
HSV	71°, 35%, 100%
XYZ	78.1501, 92.5873, 49.3417
YIQ	239.9560, 19.3540, -31.3820

# Conversions

## Conversions Part 2

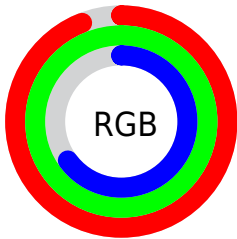
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 255, 181
Decimal	15728549
CIELab	97.06, -18.91, 41.31
CIELCh	97, 45.433, 114.595
Yxy	92.5873, 0.3551, 0.4207
Android (android.graphics.Color)	4293918629 (0xFFEFFFFA5)
YUV	239.9560, -36.9533, -0.8384
Hunter-Lab	96.2223, -23.4144, 36.9523

# Details

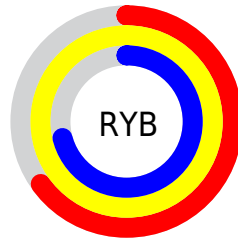
The Yxy color **92.5873, 0.3551, 0.4207** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.9459, 0.2593, 0.2255**, and the grayscale version is **87.3858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **51.5031, 0.3626, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **90.9728, 0.3659, 0.4465**, and if you desaturate by 10%, it is **94.4103, 0.3434, 0.3941**.

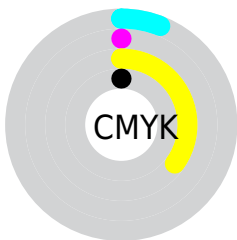
# Distribution



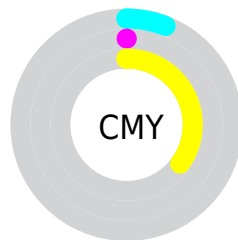
- Red (94%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5873, 0.3551, 0.4207 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 92.5873, 0.3551, 0.4207 by changing the saturation by 10% instead.





 92.5873, 0.3551,  
0.4207

 92.5873, 0.3551,  
0.4207


536.4118, 0.3375,  
0.3792

 70.1285, 0.3586,  
0.4298


 150.9271, 0.3494,  
0.4066

 51.6313, 0.3626,  
0.4409


 187.5769, 0.3471,  
0.4010

 36.7113, 0.3671,  
0.4546


229.7259, 0.3451,  
0.3961

 24.9840, 0.3724,  
0.4717

277.7584, 0.3432,  
0.3919

 16.0652, 0.3780,  
0.4938

332.0589, 0.3416,  
0.3882

 9.5703, 0.3835,  
0.5227

393.0117, 0.3401,

 5.1150, 0.3909,

0.3848

0.5677

461.0012, 0.3388,  
0.3819

■ 2.3149, 0.3828,  
0.6172

■ 0.7816, 0.2646,  
0.7354

■ 92.5873, 0.3551,  
0.4207

■ 92.5873, 0.3551,  
0.4207

■ 90.9728, 0.3659,  
0.4465

■ 94.4103, 0.3434,  
0.3941

■ 89.5501, 0.3751,  
0.4703

■ 96.4466, 0.3312,  
0.3677

■ 88.3087, 0.3822,  
0.4912

■ 98.7076, 0.3191,  
0.3420

■ 87.2347, 0.3869,  
0.5080

100.0000, 0.3127,  
0.3290

■ 86.3117, 0.3890,  
0.5203

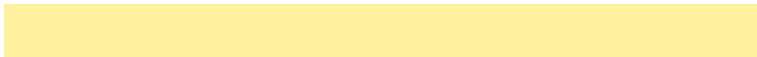
■ 85.5196, 0.3885,  
0.5279

■ 85.1791, 0.3877,  
0.5304

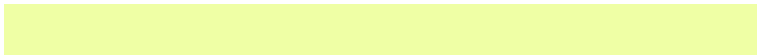
# Harmonies

## Analogous

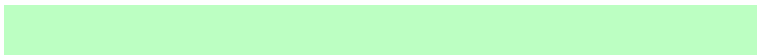
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5873, 0.3952, 0.4050



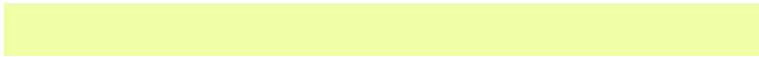
92.5873, 0.3551, 0.4207



92.5873, 0.3055, 0.4074

# Triad

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



92.5873, 0.3551, 0.4207



92.5873, 0.2211, 0.2748



92.5873, 0.3646, 0.2939

# Complementary

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



92.5873, 0.3551, 0.4207



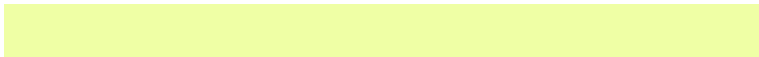
43.9459, 0.2593, 0.2255

# 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.



92.5873, 0.3136, 0.2648



92.5873, 0.3551, 0.4207



92.5873, 0.2336, 0.2524

# Square

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



92.5873, 0.3551, 0.4207



92.5873, 0.2301, 0.3158



92.5873, 0.2661, 0.2498

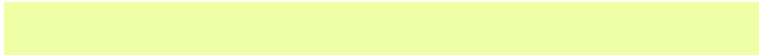


92.5873, 0.4024, 0.3317

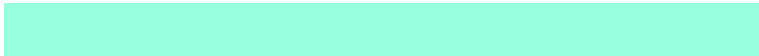


# Rectangle

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



92.5873, 0.3551, 0.4207



92.5873, 0.2740, 0.3824



92.5873, 0.2661, 0.2498



92.5873, 0.3481, 0.2829

# Sweetspot

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



92.5891, 0.3551, 0.4207



97.3906, 0.3260, 0.3565



56.6141, 0.3922, 0.3450



20.7809, 0.3276, 0.3600



0.0000, 0.0000, 0.0000

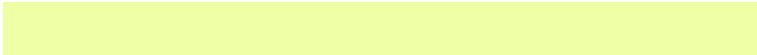


21.4041, 0.3127, 0.3290



# Same Dimension

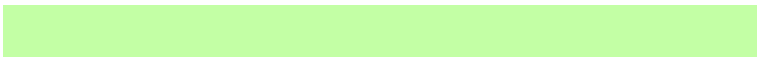
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.5891, 0.3551, 0.4207



91.4841, 0.3624, 0.4381



85.8370, 0.3259, 0.4300



20.9180, 0.3241, 0.3527



44.5673, 0.3882, 0.5300



4.3801, 0.3919, 0.5270



# Inverse Universe

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



43.9459, 0.2593, 0.2255



36.5754, 0.2469, 0.2027



50.1322, 0.2928, 0.2346



17.5328, 0.3006, 0.3046



4.1121, 0.1579, 0.0644

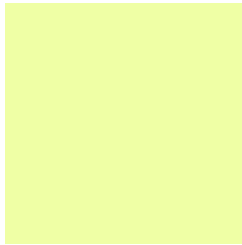


0.4407, 0.1672, 0.0695



# Previews

## White Background



This preview shows how the Yxy color 92.5873, 0.3551, 0.4207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

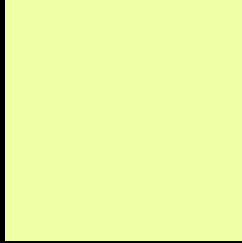
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5873, 0.3551, 0.4207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

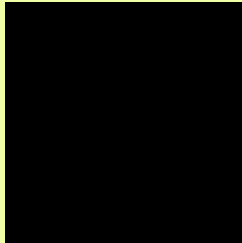
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.5873, 0.3551, 0.4207**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5873, 0.3551, 0.4207.

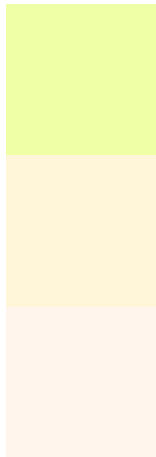


This preview shows how white text looks on a background with the Yxy color 92.5873, 0.3551, 0.4207.

# 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

92.5873, 0.3551, 0.4207

### Protanopia

92.1813, 0.3364, 0.3576

### Deuteranopia

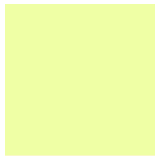
92.6209, 0.3247, 0.3378



## Tritanopia

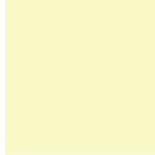
92.6646, 0.3093, 0.3193

# Trichromacy



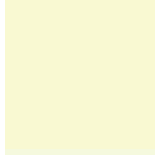
## Original Color

92.5873, 0.3551, 0.4207



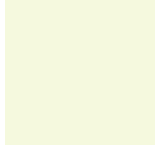
## Protanomaly

91.9683, 0.3437, 0.3802



## Deuteranomaly

92.5442, 0.3363, 0.3680



## Tritanomaly

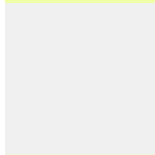
92.4378, 0.3263, 0.3560

# Monochromacy



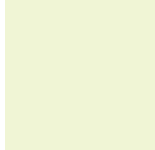
## Original Color

92.5873, 0.3551, 0.4207



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.6342, 0.3289, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.5873, 0.3551, 0.4207 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(239, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 165)  
}
```

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(239, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5873, 0.3551, 0.4207 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(239, 255, 165) }
```

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

```
.border{ border-color:rgb(239, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5873, 0.3551, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 165) }
```

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

```
.background{ background-color: rgb(239,  
255, 165) }
```

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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