

# Converting Colors

Yxy(83.2381, 0.3574, 0.4129)

Have a look what the booklet for  
Yxy(83.2381, 0.3574, 0.4129)  
contains.

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# Color

**Yxy(83.0117, 0.3572, 0.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFF1A2
RGB	234, 241, 162
RGB Percent	92%, 95%, 64%
CMY	0.0822, 0.0549, 0.3647
CMYK	0.03, 0.00, 0.33, 0.05
HSL	65°, 74%, 79%
HSV	65°, 33%, 95%
XYZ	71.9180, 83.0117, 46.4084
YIQ	229.9010, 21.1870, -26.0530

# Conversions

## Conversions Part 2

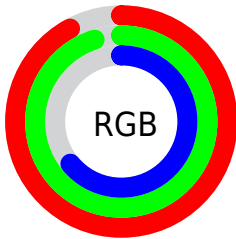
Format	Color
R <sub>Y</sub> B	162, 241, 169
Decimal	15397282
CIE Lab	93.02, -14.29, 37.45
CIE LCh	93, 40.085, 110.887
Yxy	83.0117, 0.3572, 0.4123
Android (android.graphics.Color)	4293587362 (0xFFEAF1A2)
YUV	229.9010, -33.4752, 3.5948
Hunter-Lab	91.1108, -18.5454, 33.5774

# Details

The Yxy color **83.0117, 0.3572, 0.4123** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.6158, 0.2588, 0.2328**, and the grayscale version is **79.3000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **45.1492, 0.3657, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **81.8821, 0.3699, 0.4371**, and if you desaturate by 10%, it is **84.3173, 0.3437, 0.3866**.

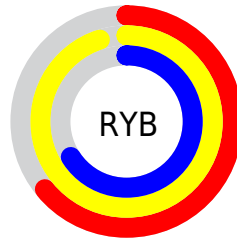
# Distribution



Red (92%)

Green (95%)

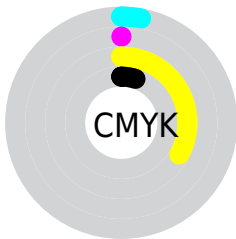
Blue (64%)



Red (64%)

Yellow (95%)

Blue (66%)

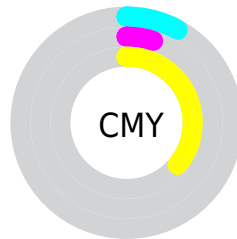


Cyan (3%)

Magenta (0%)

Yellow (33%)

Black (5%)



Cyan (8%)

Magenta (5%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0117, 0.3572, 0.4123 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 83.0117, 0.3572, 0.4123 by changing the saturation by 10% instead.





 83.0117, 0.3572,  
0.4123


 83.0117, 0.3572,  
0.4123


505.0255, 0.3380,  
0.3740

 62.1998, 0.3612,  
0.4209


 137.5918, 0.3509,  
0.3991

 45.1942, 0.3658,  
0.4313


 172.1289, 0.3483,  
0.3940

 31.6104, 0.3713,  
0.4443


212.0098, 0.3461,  
0.3895

 21.0641, 0.3778,  
0.4608

257.6189, 0.3441,  
0.3856

 13.1709, 0.3853,  
0.4822

309.3406, 0.3423,  
0.3822

 7.5463, 0.3934,  
0.5106

367.5594, 0.3407,

 3.8060, 0.4116,

0.3792

0.5652

432.6595, 0.3393,  
0.3765

1.5657, 0.3978,  
0.6022

0.3343, 0.0000,  
1.0000

83.0117, 0.3572,  
0.4123

83.0117, 0.3572,  
0.4123

81.8821, 0.3699,  
0.4371

84.3173, 0.3437,  
0.3866

80.9078, 0.3812,  
0.4600


85.7964, 0.3300,  
0.3608


80.0823, 0.3906,  
0.4799


87.4607, 0.3164,  
0.3358


79.3938, 0.3976,  
0.4959


89.0979, 0.3053,  
0.3152


 78.8290, 0.4019,  
0.5075


 89.4764, 0.3067,  
0.3153

 78.3715, 0.4037,  
0.5147

 89.8593, 0.3080,  
0.3153

 78.0902, 0.4037,  
0.5176

 90.2466, 0.3094,  
0.3154

 90.6382, 0.3108,  
0.3155

 91.0343, 0.3121,  
0.3155

# Harmonies

## Analogous

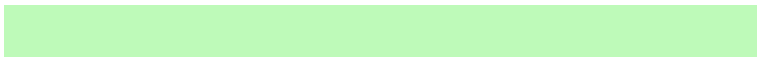
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0117, 0.3919, 0.3960



83.0117, 0.3572, 0.4123



83.0117, 0.3121, 0.4033

# Triad

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



83.0117, 0.3572, 0.4123



83.0117, 0.2282, 0.2834



83.0117, 0.3548, 0.2929

# Complementary

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



83.0117, 0.3572, 0.4123



40.6158, 0.2588, 0.2328

# 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.



83.0117, 0.3078, 0.2672



83.0117, 0.3572, 0.4123



83.0117, 0.2374, 0.2601

# Square

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



83.0117, 0.3572, 0.4123



83.0117, 0.2392, 0.3229



83.0117, 0.2654, 0.2552



83.0117, 0.3916, 0.3273

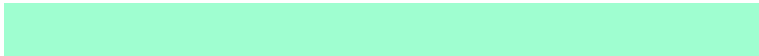


# Rectangle

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



83.0117, 0.3572, 0.4123



83.0117, 0.2825, 0.3824



83.0117, 0.2654, 0.2552



83.0117, 0.3395, 0.2831

# Sweetspot

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



83.0154, 0.3572, 0.4123



98.0420, 0.3262, 0.3538



49.5253, 0.3867, 0.3365



20.9298, 0.3281, 0.3574



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

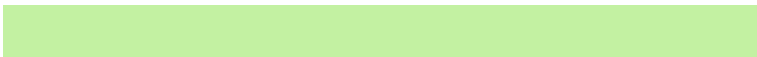
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0154, 0.3572, 0.4123



93.5429, 0.3654, 0.4282



77.1056, 0.3296, 0.4203



18.3842, 0.3255, 0.3524



42.3790, 0.4040, 0.5174



3.5461, 0.4061, 0.5157



# Inverse Universe

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



40.6158, 0.2588, 0.2328



38.7708, 0.2462, 0.2110



45.6081, 0.2892, 0.2406



15.2952, 0.2993, 0.3047



3.5555, 0.1529, 0.0616

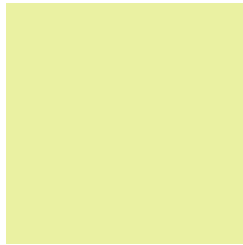


0.3184, 0.1597, 0.0654



# Previews

## White Background



This preview shows how the Yxy color 83.0117, 0.3572, 0.4123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

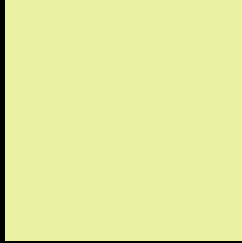
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0117, 0.3572, 0.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

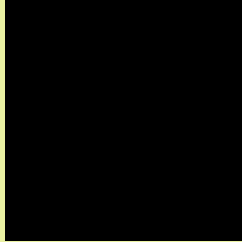
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.0117, 0.3572, 0.4123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0117, 0.3572, 0.4123.

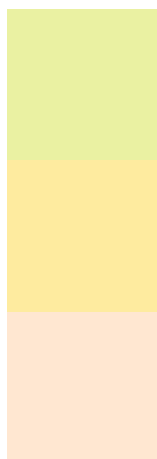


This preview shows how white text looks on a background with the Yxy color 83.0117, 0.3572, 0.4123.

# 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

83.0117, 0.3572, 0.4123

### Protanopia

82.9907, 0.3756, 0.4056

### Deuteranopia

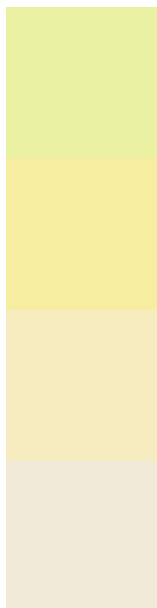
83.0153, 0.3440, 0.3512



## Tritanopia

82.7834, 0.3115, 0.3111

# Trichromacy



## Original Color

83.0117, 0.3572, 0.4123

## Protanomaly

82.8806, 0.3691, 0.4079

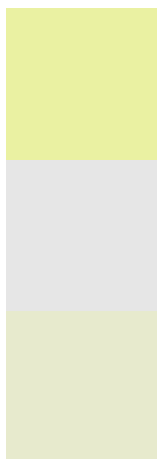
## Deuteranomaly

82.9966, 0.3489, 0.3732

## Tritanomaly

82.5562, 0.3283, 0.3465

# Monochromacy



## Original Color

83.0117, 0.3572, 0.4123

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

80.2423, 0.3291, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0117, 0.3572, 0.4123 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(234, 241, 162)` looks like.

```
.text, #text, p{  
    color:rgb(234, 241, 162)  
}
```

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(234, 241, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 241, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0117, 0.3572, 0.4123 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(234, 241, 162) }
```

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

```
.border{ border-color:rgb(234, 241, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 241, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 241, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 241, 162);  
box-shadow:4px 4px 4px 4px rgb(234, 241,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0117, 0.3572, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 241, 162) }
```

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

```
.background{ background-color: rgb(234,  
241, 162) }
```

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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