

Converting Colors

$Y_{xy}(83.4859, 0.3742, 0.4550)$

Have a look what the booklet for
Yxy(83.4859, 0.3742, 0.4550)
contains.

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Color

Yxy(83.3929, 0.3742, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	E5F57B
RGB	229, 245, 123
RGB Percent	90%, 96%, 48%
CMY	0.1020, 0.0392, 0.5176
CMYK	0.07, 0.00, 0.50, 0.04
HSL	68°, 86%, 72%
HSV	68°, 50%, 96%
XYZ	68.5386, 83.3929, 31.2288
YIQ	226.3080, 29.6260, -41.3340

Conversions

Conversions Part 2

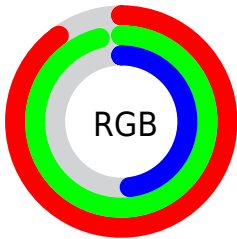
Format	Color
R_{YB}	123, 245, 139
Decimal	15070587
CIE _{Lab}	93.19, -22.26, 56.36
CIE _{LCh}	93, 60.594, 111.554
Yxy	83.3929, 0.3742, 0.4553
Android (android.graphics.Color)	4293260667 (0xFFE5F57B)
YUV	226.3080, -50.9308, 2.3609
Hunter-Lab	91.3197, -25.8391, 43.6482

Details

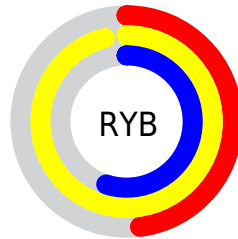
The Yxy color **83.3929, 0.3742, 0.4553** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.2570, 0.2279, 0.1749**, and the grayscale version is **76.6498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **45.4828, 0.3834, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **82.3334, 0.3834, 0.4770**, and if you desaturate by 10%, it is **84.6233, 0.3632, 0.4310**.

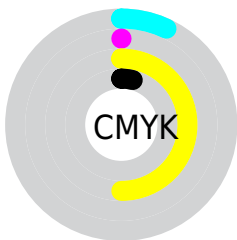
Distribution



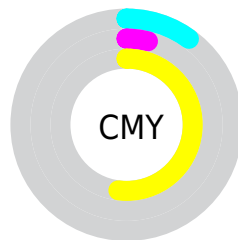
- Red (90%)
- Green (96%)
- Blue (48%)



- Red (48%)
- Yellow (96%)
- Blue (55%)



- Cyan (7%)
- Magenta (0%)
- Yellow (50%)
- Black (4%)





- Cyan (10%)
- Magenta (4%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3929, 0.3742, 0.4553 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 83.3929, 0.3742, 0.4553 by changing the saturation by 10% instead.


 83.3929, 0.3742,
0.4553


 83.3929, 0.3742,
0.4553


506.2950, 0.3494,
0.3977


 62.5143, 0.3787,
0.4678


 138.1256, 0.3665,
0.4358

 45.4484, 0.3836,
0.4827


 172.7485, 0.3632,
0.4280

 31.8108, 0.3888,
0.5008


 212.7217, 0.3603,
0.4213

 21.2170, 0.3937,
0.5227

258.4295, 0.3576,
0.4154

 13.2827, 0.3970,
0.5493

310.2564, 0.3553,
0.4102

 7.6235, 0.4034,
0.5920


368.5866, 0.3531,


 3.8550, 0.3835,


0.4056


433.8047, 0.3511,
0.4014

0.6165


 1.5928, 0.3464,
0.6536


 0.3527, 0.0000,
1.0000


 83.3929, 0.3742,
0.4553


 83.3929, 0.3742,
0.4553


 82.3334, 0.3834,
0.4770


 84.6233, 0.3632,
0.4310


 81.4217, 0.3904,
0.4952


 86.0239, 0.3510,
0.4053

 80.6482, 0.3947,
0.5091


 87.6079, 0.3382,
0.3791

 79.9970, 0.3965,
0.5184

 89.3842, 0.3252,
0.3533


 79.4422, 0.3960,
0.5237


 91.3612, 0.3125,
0.3285

 79.4309, 0.3960,
0.5238

 92.5405, 0.3089,
0.3193

 93.1347, 0.3109,
0.3194

 93.7391, 0.3130,
0.3194

 93.7902, 0.3132,
0.3194

Harmonies

Analogous

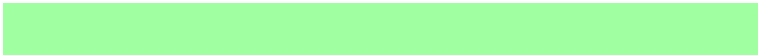
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3929, 0.4278, 0.4255



83.3929, 0.3742, 0.4553



83.3929, 0.3073, 0.4448

Triad

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



83.3929, 0.3742, 0.4553



83.3929, 0.1909, 0.2579



83.3929, 0.3770, 0.2768

Complementary

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



83.3929, 0.3742, 0.4553



26.2570, 0.2279, 0.1749

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.



83.3929, 0.3055, 0.2410



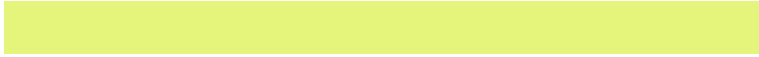
83.3929, 0.3742, 0.4553



83.3929, 0.2043, 0.2277

Square

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



83.3929, 0.3742, 0.4553



83.3929, 0.2044, 0.3154



83.3929, 0.2437, 0.2232



83.3929, 0.4331, 0.3246

Rectangle

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



83.3929, 0.3742, 0.4553



83.3929, 0.2644, 0.4112



83.3929, 0.2437, 0.2232



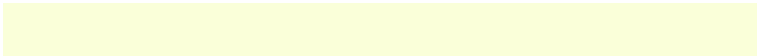
83.3929, 0.3535, 0.2632

Sweetspot

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



83.3967, 0.3742, 0.4553



96.8364, 0.3320, 0.3667



38.8081, 0.4459, 0.3446



20.6403, 0.3348, 0.3722



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.



83.3967, 0.3742, 0.4553



90.1254, 0.3837, 0.4777



75.2627, 0.3328, 0.4748



19.1967, 0.3248, 0.3525



42.8312, 0.3964, 0.5235



3.7945, 0.3994, 0.5211

Inverse Universe

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



26.2570, 0.2279, 0.1749



20.8672, 0.2074, 0.1403



32.8037, 0.2760, 0.1930



16.0310, 0.3000, 0.3047



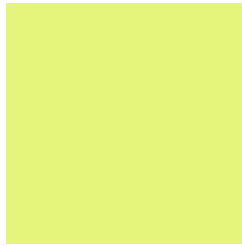
3.7513, 0.1550, 0.0627



0.3619, 0.1638, 0.0676

Previews

White Background



This preview shows how the Yxy color 83.3929, 0.3742, 0.4553 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 83.3929, 0.3742, 0.4553 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 83.3929, 0.3742, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 83.3929, 0.3742, 0.4553.

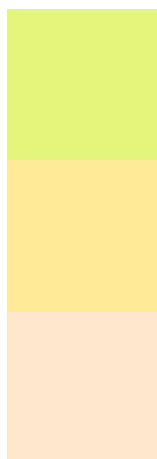


This preview shows how white text looks on a background with the Yxy color 83.3929, 0.3742, 0.4553.

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

83.3929, 0.3742, 0.4553

Protanopia

82.9110, 0.3813, 0.4131

Deuteranopia

82.8196, 0.3467, 0.3552



Tritanopia

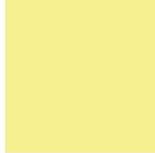
83.0461, 0.3095, 0.3111

Trichromacy



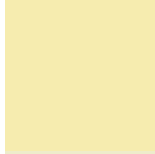
Original Color

83.3929, 0.3742, 0.4553



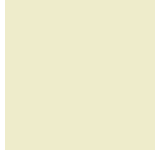
Protanomaly

83.2489, 0.3792, 0.4284



Deuteranomaly

82.6789, 0.3591, 0.3920



Tritanomaly

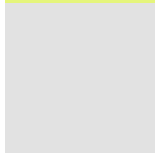
82.4798, 0.3351, 0.3635

Monochromacy



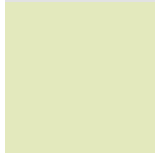
Original Color

83.3929, 0.3742, 0.4553



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.2828, 0.3368, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3929, 0.3742, 0.4553 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(229, 245, 123)` looks like.

```
.text, #text, p{  
    color:rgb(229, 245, 123)  
}
```

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(229, 245, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 123) }
```

Border

The CSS property to change the border of an element to Yxy 83.3929, 0.3742, 0.4553 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(229, 245, 123) }
```

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

```
.border{ border-color:rgb(229, 245, 123) }
```

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

Here you see how a box with a 4 pixel rgb(229, 245, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 123);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3929, 0.3742, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 123) }
```

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

```
.background{ background-color: rgb(229,  
245, 123) }
```

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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