

Converting Colors

$Yxy(83.2422, 0.3855, 0.4594)$

Have a look what the booklet for
Yxy(83.2422, 0.3855, 0.4594)
contains.

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Color

Yxy(83.2980, 0.3859, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	EDF371
RGB	237, 243, 113
RGB Percent	93%, 95%, 44%
CMY	0.0706, 0.0470, 0.5567
CMYK	0.02, 0.00, 0.53, 0.05
HSL	63°, 84%, 70%
HSV	63°, 53%, 95%
XYZ	69.9558, 83.2980, 28.0258
YIQ	226.3860, 38.1540, -41.7020

Conversions

Conversions Part 2

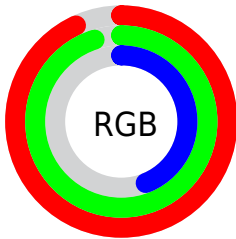
Format	Color
R_{YB}	113, 243, 119
Decimal	15594353
CIE Lab	93.14, -19.01, 60.96
CIE LCh	93, 63.855, 107.323
Yxy	83.2980, 0.3859, 0.4595
Android (android.graphics.Color)	4293784433 (0xFFEDF371)
YUV	226.3860, -55.8993, 9.3085
Hunter-Lab	91.2677, -22.9001, 45.6811

Details

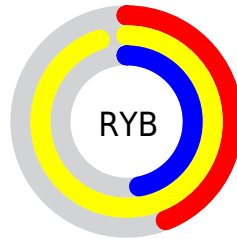
The Yxy color **83.2980, 0.3859, 0.4595** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.2180, 0.2130, 0.1593**, and the grayscale version is **76.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **45.4298, 0.3976, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **82.6325, 0.3959, 0.4783**, and if you desaturate by 10%, it is **84.1189, 0.3739, 0.4375**.

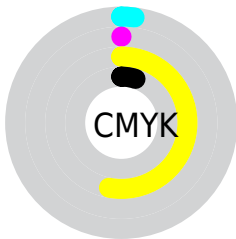
Distribution



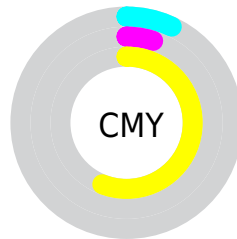
- Red (93%)
- Green (95%)
- Blue (44%)



- Red (44%)
- Yellow (95%)
- Blue (47%)



- Cyan (2%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)




- Cyan (7%)
- Magenta (5%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2980, 0.3859, 0.4595 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 83.2980, 0.3859, 0.4595 by changing the saturation by 10% instead.


 83.2980, 0.3859,
0.4595

 83.2980, 0.3859,
0.4595


505.9791, 0.3563,
0.4009

 62.4360, 0.3913,
0.4719


 137.9928, 0.3767,
0.4399

 45.3851, 0.3971,
0.4865


 172.5943, 0.3728,
0.4320

 31.7609, 0.4032,
0.5039


 212.5445, 0.3693,
0.4251

 21.1789, 0.4090,
0.5244

258.2278, 0.3661,
0.4191

 13.2548, 0.4130,
0.5482

310.0285, 0.3633,
0.4138

 7.6043, 0.4175,
0.5825

368.3310, 0.3607,

 3.8428, 0.3990,

0.4090

0.6010

433.5198, 0.3584,
0.4047

■ 1.5860, 0.3675,
0.6325

■ 0.3481, 0.0000,
1.0000

■ 83.2980, 0.3859,
0.4595

■ 83.2980, 0.3859,
0.4595

■ 82.6325, 0.3959,
0.4783

■ 84.1189, 0.3739,
0.4375

■ 82.0989, 0.4034,
0.4931

■ 85.0944, 0.3606,
0.4134

■ 81.6872, 0.4083,
0.5035


■ 86.2379, 0.3464,
0.3881


■ 81.3805, 0.4107,
0.5096


■ 87.5585, 0.3319,
0.3625


 81.2208, 0.4111,
0.5118

 89.0642, 0.3176,
0.3375

 90.5125, 0.3061,
0.3172

 90.7141, 0.3068,
0.3173

 90.9170, 0.3075,
0.3173

 91.1210, 0.3082,
0.3173

Harmonies

Analogous

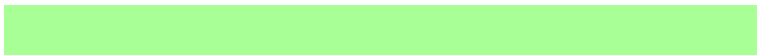
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2980, 0.4391, 0.4230



83.2980, 0.3859, 0.4595



83.2980, 0.3166, 0.4565

Triad

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



83.2980, 0.3859, 0.4595



83.2980, 0.1855, 0.2607



83.2980, 0.3700, 0.2680

Complementary

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



83.2980, 0.3859, 0.4595



22.2180, 0.2130, 0.1593

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.



83.2980, 0.2947, 0.2331



83.2980, 0.3859, 0.4595



83.2980, 0.1957, 0.2254

Square

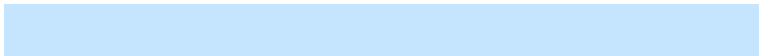
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2980, 0.3859, 0.4595



83.2980, 0.2035, 0.3247



83.2980, 0.2328, 0.2175



83.2980, 0.4334, 0.3164

Rectangle

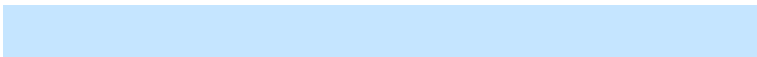
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2980, 0.3859, 0.4595



83.2980, 0.2706, 0.4253



83.2980, 0.2328, 0.2175



83.2980, 0.3447, 0.2545

Sweetspot

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



83.3018, 0.3859, 0.4595



97.2887, 0.3356, 0.3690



33.0598, 0.4683, 0.3340



20.7575, 0.3386, 0.3743



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.



83.3018, 0.3859, 0.4595



92.1442, 0.3965, 0.4794



74.2625, 0.3406, 0.4826



19.2722, 0.3261, 0.3524



44.5907, 0.4113, 0.5116



3.9309, 0.4123, 0.5108

Inverse Universe

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



22.2180, 0.2130, 0.1593



17.5124, 0.1916, 0.1241



28.2804, 0.2627, 0.1792



15.9633, 0.2986, 0.3046



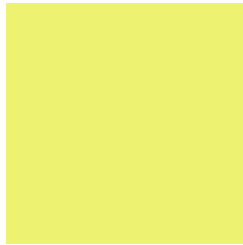
3.6072, 0.1514, 0.0608



0.3297, 0.1550, 0.0627

Previews

White Background



This preview shows how the Yxy color 83.2980, 0.3859, 0.4595 looks on a white background.

Color Contrast Check

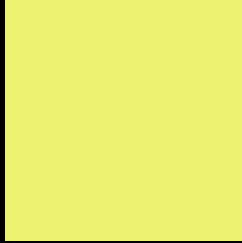
Large Text (above 18pt) WCAG AA × Fail

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 83.2980, 0.3859, 0.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

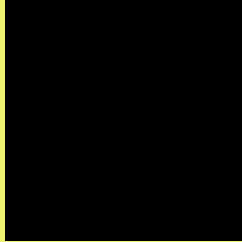
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2980, 0.3859, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 83.2980, 0.3859, 0.4595.

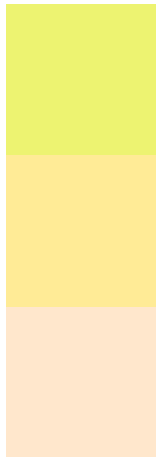


This preview shows how white text looks on a background with the Yxy color 83.2980, 0.3859, 0.4595.

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

83.2980, 0.3859, 0.4595

Protanopia

82.8787, 0.3820, 0.4141

Deuteranopia

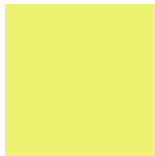
82.7715, 0.3474, 0.3563



Tritanopia

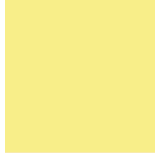
83.2633, 0.3163, 0.3113

Trichromacy



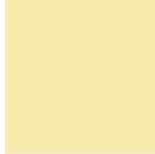
Original Color

83.2980, 0.3859, 0.4595



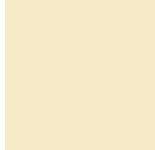
Protanomaly

82.9117, 0.3834, 0.4307



Deuteranomaly

82.3134, 0.3634, 0.3948



Tritanomaly

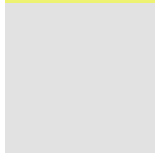
82.5157, 0.3444, 0.3661

Monochromacy



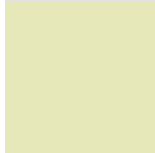
Original Color

83.2980, 0.3859, 0.4595



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.0390, 0.3418, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2980, 0.3859, 0.4595 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(237, 243, 113)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 113)  
}
```

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(237, 243, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 113) }
```

Border

The CSS property to change the border of an element to Yxy 83.2980, 0.3859, 0.4595 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(237, 243, 113) }
```

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

```
.border{ border-color:rgb(237, 243, 113) }
```

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

Here you see how a box with a 4 pixel rgb(237, 243, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 113);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2980, 0.3859, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 113) }
```

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

```
.background{ background-color: rgb(237,  
243, 113) }
```

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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