

Converting Colors

Yxy(84.8636, 0.3645, 0.4488)

Have a look what the booklet for
Yxy(84.8636, 0.3645, 0.4488)
contains.

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Color

Yxy(84.8636, 0.3645, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	E1F886
RGB	225, 248, 134
RGB Percent	88%, 97%, 53%
CMY	0.1176, 0.0274, 0.4745
CMYK	0.09, 0.00, 0.46, 0.03
HSL	72°, 89%, 75%
HSV	72°, 46%, 97%
XYZ	68.9233, 84.8636, 35.3031
YIQ	228.1270, 22.8860, -40.3300

Conversions

Conversions Part 2

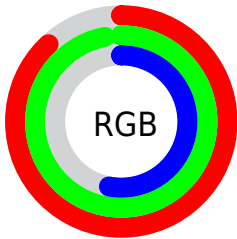
Format	Color
RYB	134, 248, 157
Decimal	14809222
CIELab	93.82, -24.17, 51.95
CIELCh	94, 57.303, 114.953
Yxy	84.8636, 0.3645, 0.4488
Android (android.graphics.Color)	4292999302 (0xFFE1F886)
YUV	228.1270, -46.4046, -2.7424
Hunter-Lab	92.1214, -27.6626, 41.7637

Details

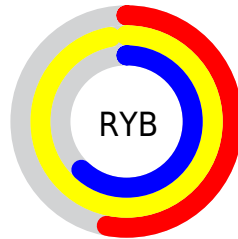
The Yxy color **84.8636, 0.3645, 0.4488** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.9982, 0.2414, 0.1901**, and the grayscale version is **78.0176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4541, 0.3520, 0.3939**, and **46.6182, 0.3724, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **83.4621, 0.3732, 0.4729**, and if you desaturate by 10%, it is **86.4585, 0.3543, 0.4228**.

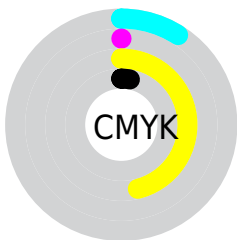
Distribution



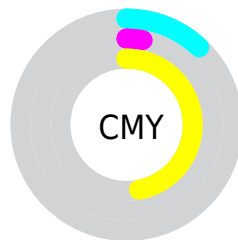
- Red (88%)
- Green (97%)
- Blue (53%)



- Red (53%)
- Yellow (97%)
- Blue (62%)



- Cyan (9%)
- Magenta (0%)
- Yellow (46%)
- Black (3%)





- Cyan (12%)
- Magenta (3%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8636, 0.3645, 0.4488 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 84.8636, 0.3645, 0.4488 by changing the saturation by 10% instead.


 84.8636, 0.3645,
0.4488


 84.8636, 0.3645,
0.4488


511.1766, 0.3436,
0.3938

 63.7287, 0.3683,
0.4609


 140.1826, 0.3580,
0.4300

 46.4310, 0.3725,
0.4755


 175.1354, 0.3552,
0.4226

 32.5860, 0.3769,
0.4935


 215.4631, 0.3528,
0.4162

 21.8095, 0.3812,
0.5156

261.5499, 0.3506,
0.4106

 13.7170, 0.3844,
0.5433

313.7802, 0.3486,
0.4056

 7.9241, 0.3861,
0.5813

372.5386, 0.3468,

 4.0464, 0.3761,

0.4012

0.6239

438.2092, 0.3451,
0.3973

■ 1.6996, 0.3372,
0.6628

■ 0.4234, 0.0000,
1.0000

■ 84.8636, 0.3645,
0.4488

■ 84.8636, 0.3645,
0.4488

■ 83.4621, 0.3732,
0.4729

■ 86.4585, 0.3543,
0.4228

■ 82.2309, 0.3797,
0.4940


■ 88.2461, 0.3431,
0.3960


■ 81.1606, 0.3839,
0.5111

■ 90.2398, 0.3314,
0.3694

■ 80.2357, 0.3853,
0.5236

■ 92.4486, 0.3196,
0.3437

 79.4372, 0.3843,
0.5315

 94.6858, 0.3099,
0.3223

 79.1392, 0.3834,
0.5338

 95.6176, 0.3130,
0.3223

Harmonies

Analogous

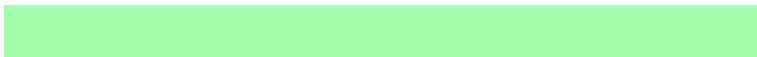
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8636, 0.4171, 0.4251



84.8636, 0.3645, 0.4488



84.8636, 0.3010, 0.4331

Triad

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



84.8636, 0.3645, 0.4488



84.8636, 0.1973, 0.2577



84.8636, 0.3804, 0.2844

Complementary

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



84.8636, 0.3645, 0.4488



30.9982, 0.2414, 0.1901

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.



84.8636, 0.3137, 0.2486



84.8636, 0.3645, 0.4488



84.8636, 0.2130, 0.2314

Square

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



84.8636, 0.3645, 0.4488



84.8636, 0.2075, 0.3094



84.8636, 0.2533, 0.2295



84.8636, 0.4299, 0.3309

Rectangle

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



84.8636, 0.3645, 0.4488



84.8636, 0.2612, 0.3990



84.8636, 0.2533, 0.2295



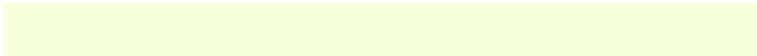
84.8636, 0.3588, 0.2710

Sweetspot

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



84.8674, 0.3645, 0.4488



96.5698, 0.3291, 0.3643



45.7270, 0.4258, 0.3538



20.5655, 0.3316, 0.3700



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.



84.8674, 0.3645, 0.4488



89.0350, 0.3725, 0.4709



77.2064, 0.3259, 0.4654



20.0036, 0.3238, 0.3527



42.8102, 0.3840, 0.5333



4.0082, 0.3884, 0.5298

Inverse Universe

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



30.9982, 0.2414, 0.1901



25.2682, 0.2241, 0.1596



38.0964, 0.2879, 0.2064



16.8116, 0.3010, 0.3047



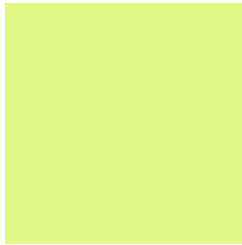
4.0745, 0.1599, 0.0654



0.4198, 0.1703, 0.0712

Previews

White Background



This preview shows how the Yxy color 84.8636, 0.3645, 0.4488 looks on a white background.

Color Contrast Check

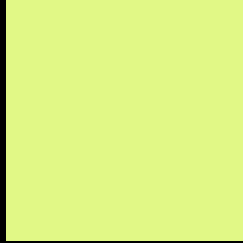
Large Text (above 18pt) WCAG AA × Fail

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 84.8636, 0.3645, 0.4488 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 84.8636, 0.3645, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 84.8636, 0.3645, 0.4488.

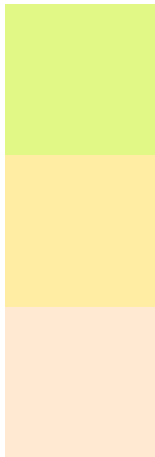


This preview shows how white text looks on a background with the Yxy color 84.8636, 0.3645, 0.4488.

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

84.8636, 0.3645, 0.4488

Protanopia

84.5087, 0.3724, 0.4023

Deuteranopia

84.2410, 0.3423, 0.3511



Tritanopia

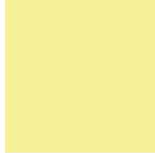
84.2882, 0.3044, 0.3100

Trichromacy



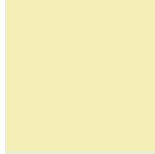
Original Color

84.8636, 0.3645, 0.4488



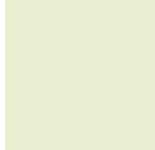
Protanomaly

84.4436, 0.3699, 0.4191



Deuteranomaly

83.8011, 0.3519, 0.3859



Tritanomaly

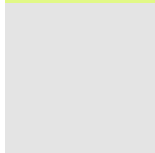
83.8786, 0.3274, 0.3593

Monochromacy



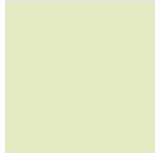
Original Color

84.8636, 0.3645, 0.4488



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.6426, 0.3332, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8636, 0.3645, 0.4488 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(225, 248, 134)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 134)  
}
```

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(225, 248, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 134) }
```

Border

The CSS property to change the border of an element to Yxy 84.8636, 0.3645, 0.4488 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(225, 248, 134) }
```

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

```
.border{ border-color:rgb(225, 248, 134) }
```

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

Here you see how a box with a 4 pixel rgb(225, 248, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 248, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 248, 134);  
box-shadow:4px 4px 4px 4px rgb(225, 248,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8636, 0.3645, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 134) }
```

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

```
.background{ background-color: rgb(225,  
248, 134) }
```

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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