

Converting Colors

$Yxy(85.1382, 0.3644, 0.4254)$

Have a look what the booklet for
Yxy(85.1382, 0.3644, 0.4254)
contains.

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Color

Yxy(84.9403, 0.3650, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	EDF497
RGB	237, 244, 151
RGB Percent	93%, 96%, 59%
CMY	0.0705, 0.0431, 0.4079
CMYK	0.03, 0.00, 0.38, 0.04
HSL	65°, 81%, 77%
HSV	65°, 38%, 96%
XYZ	72.8630, 84.9403, 41.8214
YIQ	231.3050, 25.6810, -30.4070

Conversions

Conversions Part 2

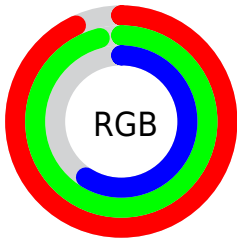
Format	Color
R _Y B	151, 244, 158
Decimal	15594647
CIE Lab	93.86, -15.92, 44.03
CIE LCh	94, 46.816, 109.875
Yxy	84.9403, 0.3650, 0.4255
Android (android.graphics.Color)	4293784727 (0xFFEDF497)
YUV	231.3050, -39.5904, 4.9945
Hunter-Lab	92.1631, -20.1654, 37.6098

Details

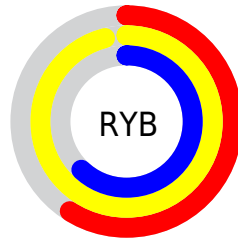
The Yxy color **84.9403, 0.3650, 0.4255** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.9230, 0.2473, 0.2141**, and the grayscale version is **80.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **46.5516, 0.3749, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **83.9177, 0.3773, 0.4492**, and if you desaturate by 10%, it is **86.1378, 0.3516, 0.4003**.

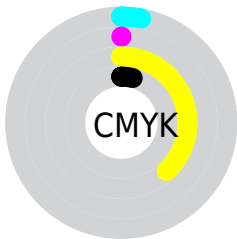
Distribution



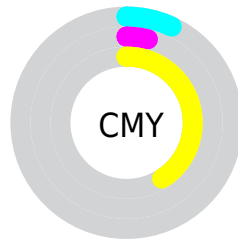
- Red (93%)
- Green (96%)
- Blue (59%)



- Red (59%)
- Yellow (96%)
- Blue (62%)



- Cyan (3%)
- Magenta (0%)
- Yellow (38%)
- Black (4%)





- Cyan (7%)
- Magenta (4%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9403, 0.3650, 0.4255 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 84.9403, 0.3650, 0.4255 by changing the saturation by 10% instead.


 84.9403, 0.3650,
0.4255

 84.9403, 0.3650,
0.4255

511.4305, 0.3429,
0.3815

 63.7921, 0.3694,
0.4352


 140.2898, 0.3578,
0.4105

 46.4823, 0.3746,
0.4469


 175.2598, 0.3549,
0.4046

 32.6266, 0.3805,
0.4614


215.6058, 0.3523,
0.3994

 21.8405, 0.3872,
0.4795

261.7123, 0.3500,
0.3949

 13.7398, 0.3945,
0.5024

313.9636, 0.3479,
0.3910

 7.9399, 0.4012,
0.5316

372.7442, 0.3461,

 4.0565, 0.4152,

0.3875

0.5848

438.4383, 0.3444,
0.3843

■ 1.7052, 0.3901,
0.6099

■ 0.4270, 0.0390,
0.9610

■ 84.9403, 0.3650,
0.4255

■ 84.9403, 0.3650,
0.4255

■ 83.9177, 0.3773,
0.4492

■ 86.1378, 0.3516,
0.4003

■ 83.0484, 0.3878,
0.4704

■ 87.5081, 0.3377,
0.3745

■ 82.3248, 0.3962,
0.4880

■ 89.0636, 0.3238,
0.3490


■ 81.7340, 0.4020,
0.5014


■ 90.8125, 0.3102,
0.3245


 81.2608, 0.4052,
0.5104

 91.5496, 0.3076,
0.3183


 80.8842, 0.4060,
0.5151

 91.8832, 0.3087,
0.3183

 80.8187, 0.4060,
0.5158

 92.2201, 0.3099,
0.3184

 92.5602, 0.3111,
0.3184

 92.9037, 0.3123,
0.3184

Harmonies

Analogous

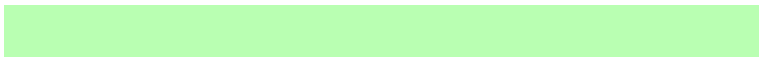
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9403, 0.4048, 0.4044



84.9403, 0.3650, 0.4255



84.9403, 0.3131, 0.4171

Triad

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



84.9403, 0.3650, 0.4255



84.9403, 0.2161, 0.2770



84.9403, 0.3596, 0.2863

Complementary

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



84.9403, 0.3650, 0.4255



35.9230, 0.2473, 0.2141

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.



84.9403, 0.3049, 0.2578



84.9403, 0.3650, 0.4255



84.9403, 0.2258, 0.2503

Square

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



84.9403, 0.3650, 0.4255



84.9403, 0.2291, 0.3230



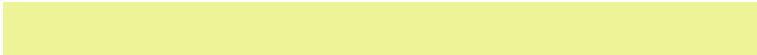
84.9403, 0.2568, 0.2446



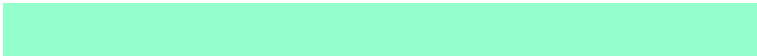
84.9403, 0.4032, 0.3249

Rectangle

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



84.9403, 0.3650, 0.4255



84.9403, 0.2790, 0.3931



84.9403, 0.2568, 0.2446



84.9403, 0.3416, 0.2754

Sweetspot

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



84.9441, 0.3650, 0.4255



97.9257, 0.3278, 0.3563



45.6414, 0.4049, 0.3361



20.9092, 0.3297, 0.3598



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

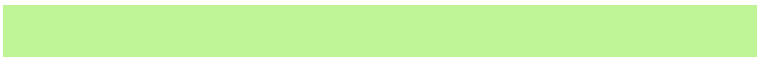
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9441, 0.3650, 0.4255



92.9725, 0.3749, 0.4446



78.0512, 0.3328, 0.4367



19.2465, 0.3257, 0.3525



43.9698, 0.4062, 0.5157



3.8831, 0.4080, 0.5143

Inverse Universe

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



35.9230, 0.2473, 0.2141



31.4694, 0.2308, 0.1861



41.4511, 0.2830, 0.2247



15.9862, 0.2991, 0.3046



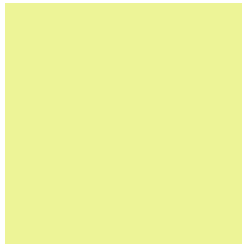
3.6448, 0.1523, 0.0613



0.3406, 0.1580, 0.0644

Previews

White Background



This preview shows how the Yxy color 84.9403, 0.3650, 0.4255 looks on a white background.

Color Contrast Check

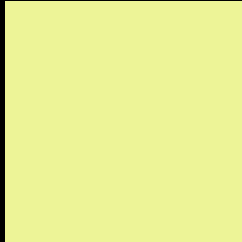
Large Text (above 18pt) WCAG AA × Fail

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 84.9403, 0.3650, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

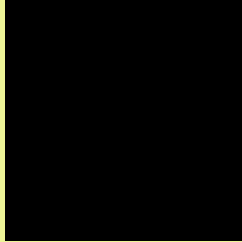
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9403, 0.3650, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 84.9403, 0.3650, 0.4255.



This preview shows how white text looks on a background with the Yxy color 84.9403, 0.3650, 0.4255.

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

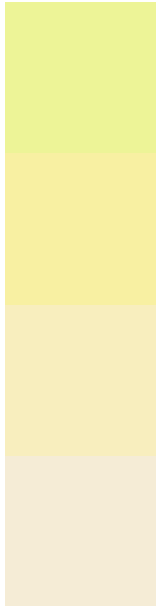




Tritanopia

84.7551, 0.3129, 0.3113

Trichromacy



Original Color

84.9403, 0.3650, 0.4255

Protanomaly

84.8853, 0.3676, 0.4085

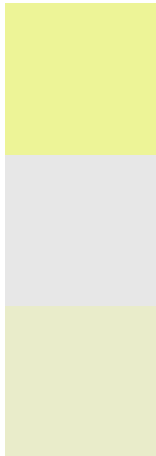
Deuteranomaly

84.8232, 0.3503, 0.3781

Tritanomaly

84.2584, 0.3328, 0.3515

Monochromacy



Original Color

84.9403, 0.3650, 0.4255

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.5788, 0.3322, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9403, 0.3650, 0.4255 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, 244, 151)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 151)  
}
```

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, 244, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 151) }
```

Border

The CSS property to change the border of an element to Yxy 84.9403, 0.3650, 0.4255 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, 244, 151) }
```

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

```
.border{ border-color:rgb(237, 244, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 244, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 151);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9403, 0.3650, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 151) }
```

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

```
.background{ background-color: rgb(237,  
244, 151) }
```

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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