

Converting Colors

Yxy(84.4683, 0.3495, 0.4135)

Have a look what the booklet for
Yxy(84.4683, 0.3495, 0.4135)
contains.

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Color

Yxy(84.5520, 0.3494, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	E4F5A6
RGB	228, 245, 166
RGB Percent	89%, 96%, 65%
CMY	0.1059, 0.0392, 0.3489
CMYK	0.07, 0.00, 0.32, 0.04
HSL	73°, 80%, 81%
HSV	73°, 32%, 96%
XYZ	71.5314, 84.5520, 48.6430
YIQ	230.9110, 15.2270, -28.1730

Conversions

Conversions Part 2

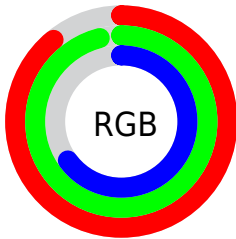
Format	Color
RYB	166, 245, 183
Decimal	15005094
CIELab	93.69, -18.00, 36.23
CIElCh	94, 40.453, 116.418
Yxy	84.5520, 0.3494, 0.4130
Android (android.graphics.Color)	4293195174 (0xFFE4F5A6)
YUV	230.9110, -32.0011, -2.5529
Hunter-Lab	91.9522, -22.0576, 33.0019

Details

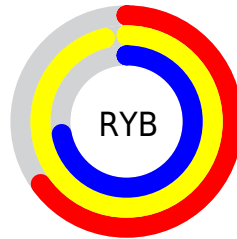
The Yxy color **84.5520, 0.3494, 0.4130** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.9519, 0.2672, 0.2365**, and the grayscale version is **80.0792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **46.3581, 0.3566, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **82.8903, 0.3598, 0.4396**, and if you desaturate by 10%, it is **86.4189, 0.3382, 0.3861**.

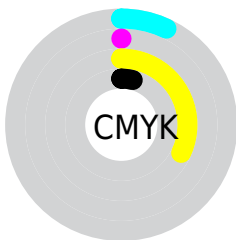
Distribution



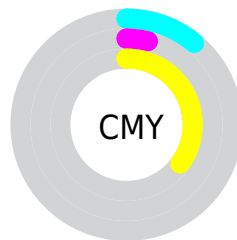
- Red (89%)
- Green (96%)
- Blue (65%)



- Red (65%)
- Yellow (96%)
- Blue (72%)



- Cyan (7%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5520, 0.3494, 0.4130 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 84.5520, 0.3494, 0.4130 by changing the saturation by 10% instead.


 84.5520, 0.3494,
0.4130


 84.5520, 0.3494,
0.4130


510.1445, 0.3339,
0.3742

 63.4713, 0.3525,
0.4217


 139.7471, 0.3443,
0.3996

 46.2226, 0.3562,
0.4324


 174.6302, 0.3423,
0.3944

 32.4215, 0.3605,
0.4457


214.8830, 0.3404,
0.3899

 21.6836, 0.3655,
0.4628

260.8897, 0.3388,
0.3860

 13.6246, 0.3710,
0.4852

313.0348, 0.3374,
0.3825

 7.8601, 0.3766,
0.5155

371.7027, 0.3361,

 4.0055, 0.3866,

0.3794

0.5677

437.2778, 0.3349,
0.3767

■ 1.6767, 0.3762,
0.6238

■ 0.4085, 0.0000,
1.0000

■ 84.5520, 0.3494,
0.4130

■ 84.5520, 0.3494,
0.4130

■ 82.8903, 0.3598,
0.4396

■ 86.4189, 0.3382,
0.3861

■ 81.4124, 0.3688,
0.4647


■ 88.4889, 0.3267,
0.3597

■ 80.1113, 0.3760,
0.4874


■ 90.7744, 0.3152,
0.3344

■ 78.9745, 0.3809,
0.5064

■ 92.6873, 0.3094,
0.3193

 77.9881, 0.3831,
0.5209

 93.6714, 0.3128,
0.3194

 77.1350, 0.3827,
0.5308

 93.7882, 0.3132,
0.3194

 76.5443, 0.3810,
0.5357

Harmonies

Analogous

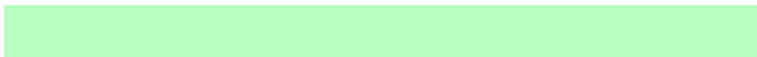
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5520, 0.3870, 0.4007



84.5520, 0.3494, 0.4130



84.5520, 0.3036, 0.3988

Triad

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



84.5520, 0.3494, 0.4130



84.5520, 0.2281, 0.2776



84.5520, 0.3630, 0.2986

Complementary

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



84.5520, 0.3494, 0.4130



43.9519, 0.2672, 0.2365

Split Complementary

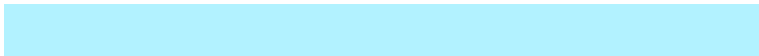
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5520, 0.3166, 0.2709



84.5520, 0.3494, 0.4130



84.5520, 0.2410, 0.2577

Square

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



84.5520, 0.3494, 0.4130



84.5520, 0.2354, 0.3146



84.5520, 0.2722, 0.2561



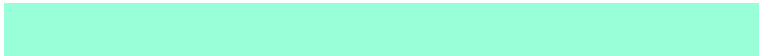
84.5520, 0.3963, 0.3341

Rectangle

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



84.5520, 0.3494, 0.4130



84.5520, 0.2748, 0.3752



84.5520, 0.2722, 0.2561



84.5520, 0.3482, 0.2883

Sweetspot

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



84.5558, 0.3494, 0.4130



97.4381, 0.3241, 0.3540



55.5545, 0.3818, 0.3464



20.7828, 0.3258, 0.3576



0.0000, 0.0000, 0.0000



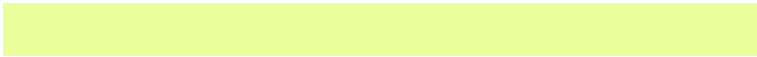
21.4041, 0.3127, 0.3290

Same Dimension

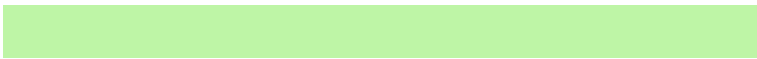
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5558, 0.3494, 0.4130



91.3260, 0.3566, 0.4313



78.9748, 0.3232, 0.4205



19.1229, 0.3235, 0.3526



41.2967, 0.3817, 0.5351



3.6733, 0.3866, 0.5312

Inverse Universe

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



43.9519, 0.2672, 0.2365



40.1901, 0.2552, 0.2138



49.3004, 0.2971, 0.2440



16.0987, 0.3013, 0.3048



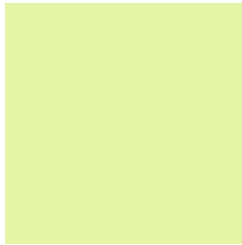
4.0047, 0.1611, 0.0661



0.3950, 0.1726, 0.0724

Previews

White Background



This preview shows how the Yxy color 84.5520, 0.3494, 0.4130 looks on a white background.

Color Contrast Check

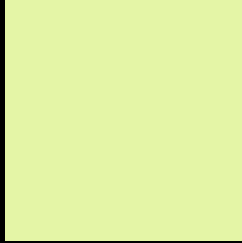
Large Text (above 18pt) WCAG AA × Fail

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 84.5520, 0.3494, 0.4130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

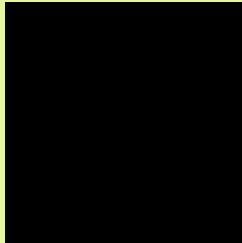
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

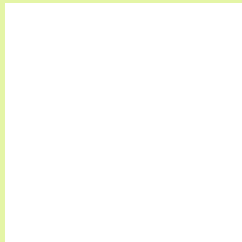
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5520, 0.3494, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 84.5520, 0.3494, 0.4130.

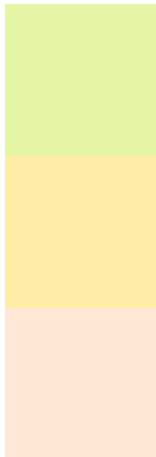


This preview shows how white text looks on a background with the Yxy color 84.5520, 0.3494, 0.4130.

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

84.5520, 0.3494, 0.4130

Protanopia

84.0409, 0.3708, 0.3985

Deuteranopia

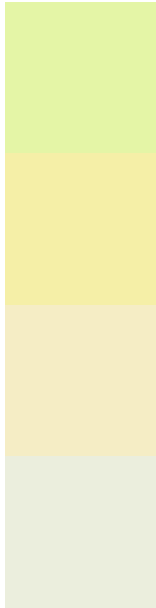
84.3929, 0.3403, 0.3481



Tritanopia

84.2882, 0.3044, 0.3100

Trichromacy



Original Color

84.5520, 0.3494, 0.4130

Protanomaly

83.9355, 0.3626, 0.4031

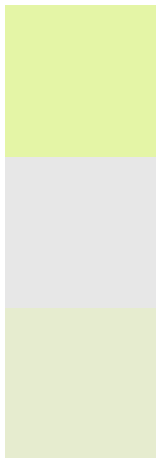
Deuteranomaly

84.0121, 0.3438, 0.3702

Tritanomaly

84.0317, 0.3213, 0.3466

Monochromacy



Original Color

84.5520, 0.3494, 0.4130

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.3189, 0.3269, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5520, 0.3494, 0.4130 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(228, 245, 166)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 166)  
}
```

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(228, 245, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 166) }
```

Border

The CSS property to change the border of an element to Yxy 84.5520, 0.3494, 0.4130 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(228, 245, 166) }
```

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

```
.border{ border-color:rgb(228, 245, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 245, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 245, 166); box-shadow:4px 4px 4px 4px rgb(228, 245, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5520, 0.3494, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 166) }
```

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

```
.background{ background-color: rgb(228,  
245, 166) }
```

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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