

Converting Colors

$Y_{xy}(85.1986, 0.3504, 0.4226)$

Have a look what the booklet for
Yxy(85.1986, 0.3504, 0.4226)
contains.

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Color

Yxy(85.0671, 0.3503, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	E1F7A0
RGB	225, 247, 160
RGB Percent	88%, 97%, 63%
CMY	0.1178, 0.0313, 0.3725
CMYK	0.09, 0.00, 0.35, 0.03
HSL	75°, 84%, 80%
HSV	75°, 35%, 97%
XYZ	70.6472, 85.0671, 45.9620
YIQ	230.5040, 14.8150, -31.7210

Conversions

Conversions Part 2

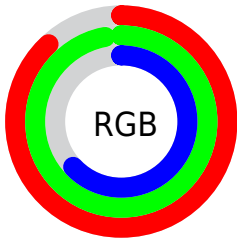
Format	Color
R _Y B	160, 247, 182
Decimal	14808992
CIE Lab	93.91, -20.84, 39.47
CIE LCh	94, 44.637, 117.829
Yxy	85.0671, 0.3503, 0.4218
Android (android.graphics.Color)	4292999072 (0xFFE1F7A0)
YUV	230.5040, -34.7585, -4.8270
Hunter-Lab	92.2318, -24.6792, 35.0162

Details

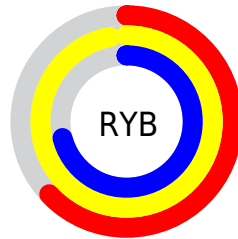
The Yxy color **85.0671, 0.3503, 0.4218** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.8209, 0.2645, 0.2273**, and the grayscale version is **79.7758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **46.7582, 0.3573, 0.4438** is the 20% darker color. If you saturate the color by 10%, you get **83.3020, 0.3597, 0.4486**, and if you desaturate by 10%, it is **87.0484, 0.3400, 0.3945**.

Distribution



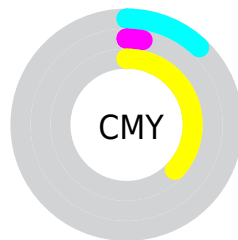
- Red (88%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)




- Cyan (12%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0671, 0.3503, 0.4218 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 85.0671, 0.3503, 0.4218 by changing the saturation by 10% instead.


 85.0671, 0.3503,
0.4218


 85.0671, 0.3503,
0.4218


511.8501, 0.3346,
0.3789

 63.8968, 0.3534,
0.4314


 140.4669, 0.3453,
0.4070

 46.5671, 0.3569,
0.4432

 175.4653, 0.3432,
0.4012

 32.6936, 0.3609,
0.4579


215.8417, 0.3413,
0.3962

 21.8918, 0.3654,
0.4767

261.9807, 0.3397,
0.3919

 13.7774, 0.3701,
0.5012

314.2667, 0.3382,
0.3881

 7.9660, 0.3739,
0.5339

373.0840, 0.3369,

 4.0732, 0.3851,

0.3847

0.5969

438.8170, 0.3357,
0.3816

■ 1.7146, 0.3590,
0.6410

■ 0.4331, 0.0000,
1.0000

■ 85.0671, 0.3503,
0.4218

■ 85.0671, 0.3503,
0.4218

■ 83.3020, 0.3597,
0.4486

■ 87.0484, 0.3400,
0.3945

■ 81.7313, 0.3675,
0.4739

■ 89.2445, 0.3292,
0.3676


■ 80.3469, 0.3733,
0.4963


■ 91.6681, 0.3183,
0.3418


■ 79.1358, 0.3767,
0.5148

■ 94.0788, 0.3099,
0.3213

 78.0826, 0.3775,
0.5288

 95.0123, 0.3131,
0.3214

 77.1686, 0.3758,
0.5378

 76.7676, 0.3743,
0.5410

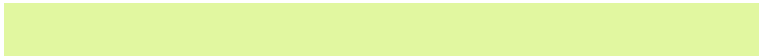
Harmonies

Analogous

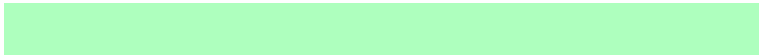
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0671, 0.3925, 0.4086



85.0671, 0.3503, 0.4218



85.0671, 0.3000, 0.4050

Triad

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



85.0671, 0.3503, 0.4218



85.0671, 0.2205, 0.2708



85.0671, 0.3702, 0.2973

Complementary

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



85.0671, 0.3503, 0.4218



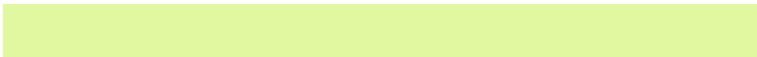
41.8209, 0.2645, 0.2273

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.



85.0671, 0.3192, 0.2668



85.0671, 0.3503, 0.4218



85.0671, 0.2355, 0.2504

Square

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



85.0671, 0.3503, 0.4218



85.0671, 0.2273, 0.3105



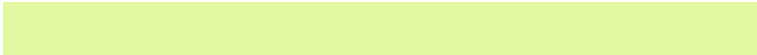
85.0671, 0.2702, 0.2499



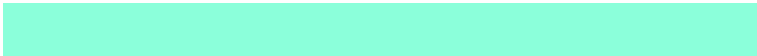
85.0671, 0.4060, 0.3360

Rectangle

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



85.0671, 0.3503, 0.4218



85.0671, 0.2688, 0.3780



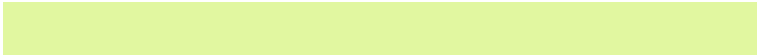
85.0671, 0.2702, 0.2499



85.0671, 0.3540, 0.2859

Sweetspot

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



85.0709, 0.3503, 0.4218



96.9988, 0.3246, 0.3566



55.6779, 0.3889, 0.3527



20.6871, 0.3261, 0.3601



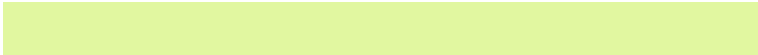
0.0000, 0.0000, 0.0000



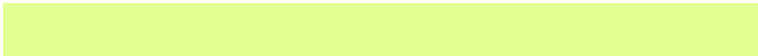
21.4041, 0.3127, 0.3290

Same Dimension

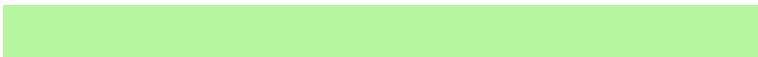
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0709, 0.3503, 0.4218



90.1220, 0.3568, 0.4403



78.9882, 0.3211, 0.4310



19.0897, 0.3229, 0.3527



40.6644, 0.3751, 0.5404



3.6225, 0.3809, 0.5358

Inverse Universe

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



41.8209, 0.2645, 0.2273



37.4899, 0.2528, 0.2046



47.9160, 0.2988, 0.2366



16.1298, 0.3019, 0.3048



4.1610, 0.1648, 0.0682



0.4127, 0.1771, 0.0749

Previews

White Background



This preview shows how the Yxy color 85.0671, 0.3503, 0.4218 looks on a white background.

Color Contrast Check

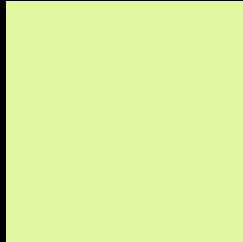
Large Text (above 18pt) WCAG AA × Fail

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 85.0671, 0.3503, 0.4218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

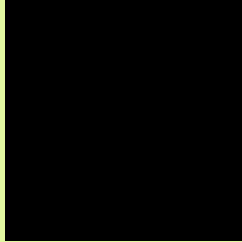
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0671, 0.3503, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 85.0671, 0.3503, 0.4218.

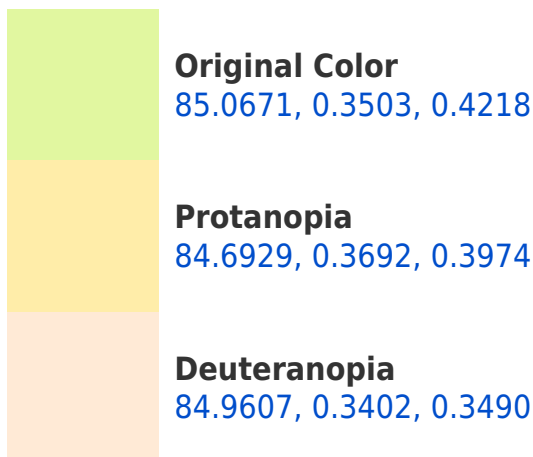


This preview shows how white text looks on a background with the Yxy color 85.0671, 0.3503, 0.4218.

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

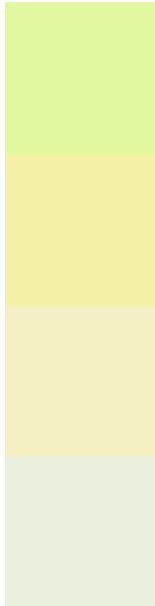




Tritanopia

84.5769, 0.3025, 0.3100

Trichromacy



Original Color

85.0671, 0.3503, 0.4218

Protanomaly

84.8969, 0.3619, 0.4062

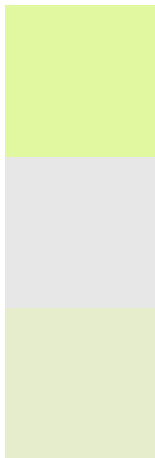
Deuteranomaly

84.8611, 0.3446, 0.3753

Tritanomaly

84.2239, 0.3204, 0.3488

Monochromacy



Original Color

85.0671, 0.3503, 0.4218

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.6342, 0.3274, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0671, 0.3503, 0.4218 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, 247, 160)` looks like.

```
.text, #text, p{  
    color:rgb(225, 247, 160)  
}
```

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, 247, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 247, 160) }
```

Border

The CSS property to change the border of an element to Yxy 85.0671, 0.3503, 0.4218 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, 247, 160) }
```

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

```
.border{ border-color:rgb(225, 247, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 247, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 247, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 247, 160); box-shadow:4px 4px 4px 4px rgb(225, 247, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0671, 0.3503, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 247, 160) }
```

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

```
.background{ background-color: rgb(225,  
247, 160) }
```

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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