

Converting Colors

$Yxy(85.3985, 0.3511, 0.4203)$

Have a look what the booklet for
Yxy(85.3985, 0.3511, 0.4203)
contains.

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Color

Yxy(85.4256, 0.3512, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	E3F7A1
RGB	227, 247, 161
RGB Percent	89%, 97%, 63%
CMY	0.1097, 0.0314, 0.3686
CMYK	0.08, 0.00, 0.35, 0.03
HSL	74°, 84%, 80%
HSV	74°, 35%, 97%
XYZ	71.3811, 85.4256, 46.4424
YIQ	231.2160, 15.6860, -30.9860

Conversions

Conversions Part 2

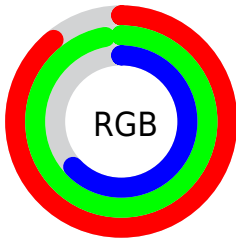
Format	Color
RYB	161, 247, 181
Decimal	14940065
CIELab	94.07, -19.94, 39.22
CIELCh	94, 43.997, 116.950
Yxy	85.4256, 0.3512, 0.4203
Android (android.graphics.Color)	4293130145 (0xFFE3F7A1)
YUV	231.2160, -34.6165, -3.6974
Hunter-Lab	92.4260, -23.8889, 34.9060

Details

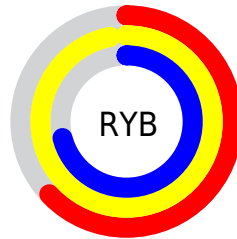
The Yxy color **85.4256, 0.3512, 0.4203** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.0222, 0.2638, 0.2282**, and the grayscale version is **80.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **47.0022, 0.3584, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **83.7255, 0.3610, 0.4469**, and if you desaturate by 10%, it is **87.3364, 0.3405, 0.3932**.

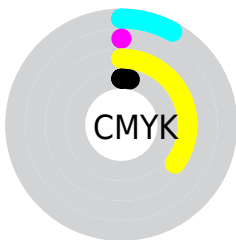
Distribution



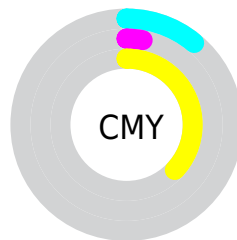
- Red (89%)
- Green (97%)
- Blue (63%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)





- Cyan (11%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4256, 0.3512, 0.4203 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 85.4256, 0.3512, 0.4203 by changing the saturation by 10% instead.

 85.4256, 0.3512,
0.4203


 85.4256, 0.3512,
0.4203


513.0353, 0.3351,
0.3782

 64.1931, 0.3544,
0.4297

 140.9677, 0.3460,
0.4058

 46.8071, 0.3581,
0.4413


 176.0460, 0.3439,
0.4001

 32.8832, 0.3623,
0.4557


216.5084, 0.3420,
0.3952

 22.0370, 0.3670,
0.4740

262.7393, 0.3403,
0.3909

 13.8841, 0.3721,
0.4979

315.1230, 0.3388,
0.3872

 8.0401, 0.3765,
0.5298

374.0440, 0.3374,

 4.1206, 0.3878,

0.3838

439.8866, 0.3362,
0.3809

0.5895

1.7413, 0.3654,
0.6346

0.4502, 0.0000,
1.0000

85.4256, 0.3512,
0.4203

85.4256, 0.3512,
0.4203

83.7255, 0.3610,
0.4469

87.3364, 0.3405,
0.3932

82.2143, 0.3693,
0.4718

89.4562, 0.3293,
0.3665

80.8842, 0.3756,
0.4939

91.7978, 0.3180,
0.3408

79.7222, 0.3795,
0.5122

94.0568, 0.3099,
0.3213

■ 78.7133, 0.3807,
0.5259

■ 94.9990, 0.3131,
0.3214

■ 77.8389, 0.3795,
0.5348

■ 77.4248, 0.3781,
0.5380

Harmonies

Analogous

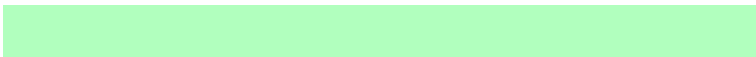
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4256, 0.3923, 0.4067



85.4256, 0.3512, 0.4203



85.4256, 0.3017, 0.4046

Triad

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



85.4256, 0.3512, 0.4203



85.4256, 0.2217, 0.2726



85.4256, 0.3679, 0.2968

Complementary

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



85.4256, 0.3512, 0.4203



42.0222, 0.2638, 0.2282

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.



85.4256, 0.3176, 0.2669



85.4256, 0.3512, 0.4203



85.4256, 0.2359, 0.2519

Square

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



85.4256, 0.3512, 0.4203



85.4256, 0.2291, 0.3122



85.4256, 0.2696, 0.2507



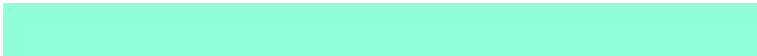
85.4256, 0.4039, 0.3348

Rectangle

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



85.4256, 0.3512, 0.4203



85.4256, 0.2708, 0.3785



85.4256, 0.2696, 0.2507



85.4256, 0.3519, 0.2856

Sweetspot

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



85.4294, 0.3512, 0.4203



97.3600, 0.3239, 0.3540



54.8400, 0.3889, 0.3494



20.7639, 0.3254, 0.3576



0.0000, 0.0000, 0.0000



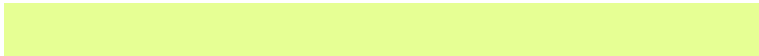
21.4041, 0.3127, 0.3290

Same Dimension

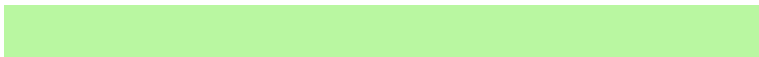
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4294, 0.3512, 0.4203



90.5022, 0.3584, 0.4397



79.4517, 0.3229, 0.4291



19.1084, 0.3233, 0.3526



41.0164, 0.3788, 0.5374



3.6509, 0.3841, 0.5332

Inverse Universe

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



42.0222, 0.2638, 0.2282



37.2246, 0.2511, 0.2041



47.8332, 0.2966, 0.2371



16.1122, 0.3015, 0.3048



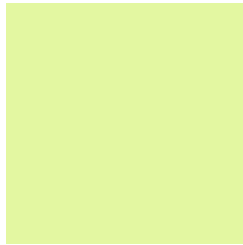
4.0694, 0.1627, 0.0670



0.4024, 0.1745, 0.0735

Previews

White Background



This preview shows how the Yxy color 85.4256, 0.3512, 0.4203 looks on a white background.

Color Contrast Check

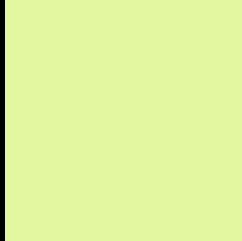
Large Text (above 18pt) WCAG AA × Fail

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 85.4256, 0.3512, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

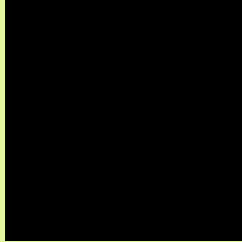
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.4256, 0.3512, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 85.4256, 0.3512, 0.4203.

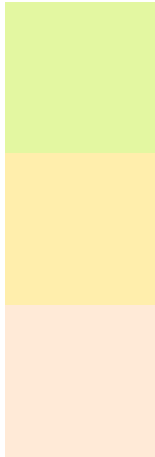


This preview shows how white text looks on a background with the Yxy color 85.4256, 0.3512, 0.4203.

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

85.4256, 0.3512, 0.4203

Protanopia

85.3876, 0.3670, 0.3953

Deuteranopia

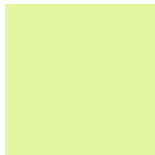
85.0119, 0.3395, 0.3480



Tritanopia

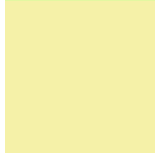
84.9231, 0.3038, 0.3101

Trichromacy



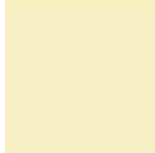
Original Color

85.4256, 0.3512, 0.4203



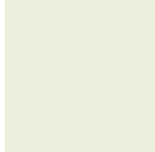
Protanomaly

85.1502, 0.3614, 0.4039



Deuteranomaly

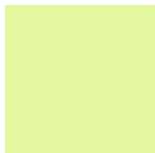
85.0856, 0.3447, 0.3742



Tritanomaly

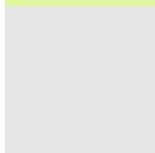
84.5625, 0.3218, 0.3487

Monochromacy



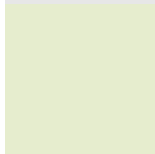
Original Color

85.4256, 0.3512, 0.4203



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8476, 0.3274, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4256, 0.3512, 0.4203 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(227, 247, 161)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 161)  
}
```

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(227, 247, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 161) }
```

Border

The CSS property to change the border of an element to Yxy 85.4256, 0.3512, 0.4203 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(227, 247, 161) }
```

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

```
.border{ border-color:rgb(227, 247, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 247, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 161);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4256, 0.3512, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 247, 161) }
```

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

```
.background{ background-color: rgb(227,  
247, 161) }
```

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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