

Converting Colors

$Y_{xy}(85.3495, 0.3595, 0.4321)$

Have a look what the booklet for
Yxy(85.3495, 0.3595, 0.4321)
contains.

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Color

Yxy(85.3495, 0.3595, 0.4321)

Conversions

Conversions Part 1

Format	Color
Hex	E5F795
RGB	229, 247, 149
RGB Percent	90%, 97%, 58%
CMY	0.1018, 0.0314, 0.4157
CMYK	0.07, 0.00, 0.40, 0.03
HSL	71°, 86%, 78%
HSV	71°, 40%, 97%
XYZ	71.0094, 85.3495, 41.1637
YIQ	230.4460, 20.7300, -34.2940

Conversions

Conversions Part 2

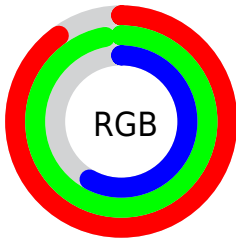
Format	Color
RYB	149, 247, 167
Decimal	15071125
CIELab	94.03, -20.59, 45.10
CIELCh	94, 49.575, 114.539
Yxy	85.3495, 0.3595, 0.4321
Android (android.graphics.Color)	4293261205 (0xFFE5F795)
YUV	230.4460, -40.1529, -1.2681
Hunter-Lab	92.3848, -24.4736, 38.2516

Details

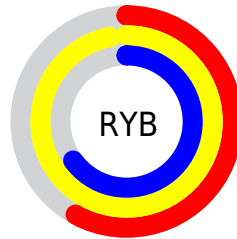
The Yxy color **85.3495, 0.3595, 0.4321** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.4193, 0.2518, 0.2110**, and the grayscale version is **79.7774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **46.8768, 0.3674, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **83.9116, 0.3695, 0.4572**, and if you desaturate by 10%, it is **86.9818, 0.3483, 0.4057**.

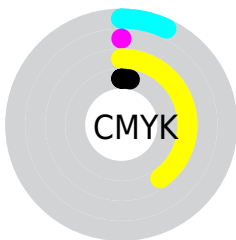
Distribution



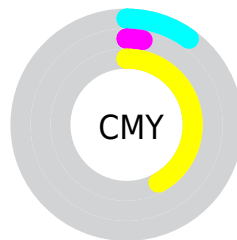
- Red (90%)
- Green (97%)
- Blue (58%)



- Red (58%)
- Yellow (97%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (40%)
- Black (3%)




- Cyan (10%)
- Magenta (3%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3495, 0.3595, 0.4321 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 85.3495, 0.3595, 0.4321 by changing the saturation by 10% instead.


 85.3495, 0.3595,
0.4321

 85.3495, 0.3595,
0.4321


512.7838, 0.3401,
0.3847

 64.1302, 0.3633,
0.4426


 140.8614, 0.3533,
0.4159

 46.7561, 0.3675,
0.4554


 175.9227, 0.3507,
0.4095

 32.8429, 0.3723,
0.4712


216.3669, 0.3484,
0.4040

 22.0061, 0.3775,
0.4910

262.5783, 0.3464,
0.3991

 13.8614, 0.3827,
0.5163

314.9413, 0.3446,
0.3949

 8.0243, 0.3861,
0.5489

373.8403, 0.3429,

 4.1105, 0.3937,

0.3911

0.6063

439.6597, 0.3415,
0.3878

■ 1.7356, 0.3611,
0.6389

■ 0.4465, 0.0000,
1.0000

■ 85.3495, 0.3595,
0.4321

■ 85.3495, 0.3595,
0.4321

■ 83.9116, 0.3695,
0.4572

■ 86.9818, 0.3483,
0.4057

■ 82.6456, 0.3778,
0.4800

■ 88.8068, 0.3363,
0.3791

■ 81.5436, 0.3839,
0.4993

■ 90.8374, 0.3242,
0.3531

■ 80.5915, 0.3873,
0.5144


■ 93.0823, 0.3123,
0.3282

 79.7733, 0.3882,
0.5248

 94.3707, 0.3110,
0.3213

 79.0627, 0.3868,
0.5310

 94.9978, 0.3131,
0.3214

 79.0405, 0.3867,
0.5311

Harmonies

Analogous

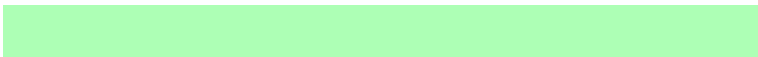
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3495, 0.4046, 0.4132



85.3495, 0.3595, 0.4321



85.3495, 0.3042, 0.4179

Triad

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



85.3495, 0.3595, 0.4321



85.3495, 0.2112, 0.2681



85.3495, 0.3706, 0.2898

Complementary

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



85.3495, 0.3595, 0.4321



36.4193, 0.2518, 0.2110

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.



85.3495, 0.3132, 0.2579



85.3495, 0.3595, 0.4321



85.3495, 0.2249, 0.2438

Square

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



85.3495, 0.3595, 0.4321



85.3495, 0.2210, 0.3137



85.3495, 0.2605, 0.2413



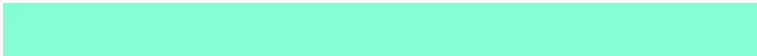
85.3495, 0.4134, 0.3312

Rectangle

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



85.3495, 0.3595, 0.4321



85.3495, 0.2692, 0.3894



85.3495, 0.2605, 0.2413



85.3495, 0.3521, 0.2778

Sweetspot

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



85.3533, 0.3595, 0.4321



97.1361, 0.3271, 0.3591



48.9730, 0.4060, 0.3470



20.7287, 0.3287, 0.3625



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

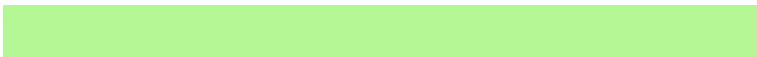
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3533, 0.3595, 0.4321



90.4558, 0.3680, 0.4534



78.5919, 0.3270, 0.4439



19.1512, 0.3240, 0.3526



41.8619, 0.3873, 0.5307



3.7182, 0.3915, 0.5273

Inverse Universe

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



36.4193, 0.2518, 0.2110



30.8560, 0.2358, 0.1823



42.5553, 0.2895, 0.2226



16.0727, 0.3008, 0.3047



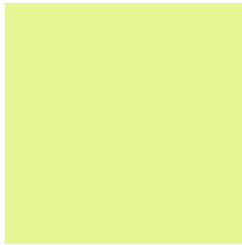
3.8932, 0.1584, 0.0646



0.3815, 0.1691, 0.0705

Previews

White Background



This preview shows how the Yxy color 85.3495, 0.3595, 0.4321 looks on a white background.

Color Contrast Check

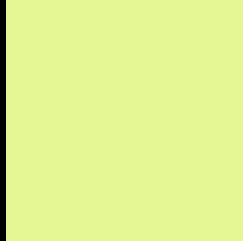
Large Text (above 18pt) WCAG AA × Fail

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 85.3495, 0.3595, 0.4321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

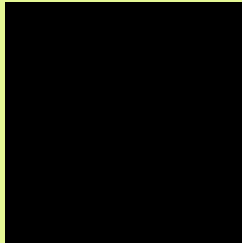
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3495, 0.3595, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 85.3495, 0.3595, 0.4321.

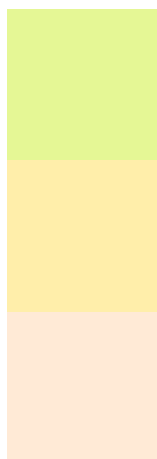


This preview shows how white text looks on a background with the Yxy color 85.3495, 0.3595, 0.4321.

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

85.3495, 0.3595, 0.4321

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

84.9607, 0.3402, 0.3490



Tritanopia

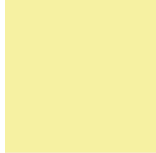
85.3858, 0.3063, 0.3111

Trichromacy



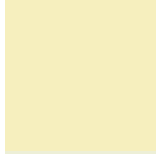
Original Color

85.3495, 0.3595, 0.4321



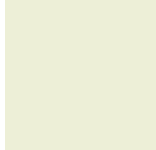
Protanomaly

85.1121, 0.3658, 0.4098



Deuteranomaly

85.0435, 0.3486, 0.3793



Tritanomaly

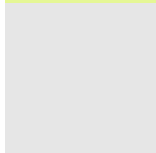
84.6438, 0.3263, 0.3538

Monochromacy



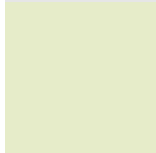
Original Color

85.3495, 0.3595, 0.4321



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.0309, 0.3307, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3495, 0.3595, 0.4321 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(229, 247, 149)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 149)  
}
```

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(229, 247, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 149) }
```

Border

The CSS property to change the border of an element to Yxy 85.3495, 0.3595, 0.4321 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(229, 247, 149) }
```

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

```
.border{ border-color:rgb(229, 247, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 149);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3495, 0.3595, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 247, 149) }
```

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

```
.background{ background-color: rgb(229,  
247, 149) }
```

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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