

Converting Colors

$Yxy(85.9438, 0.3471, 0.4182)$

Have a look what the booklet for
Yxy(85.9438, 0.3471, 0.4182)
contains.

Yxy(85.8590, 0.3472, 0.4174)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.8590, 0.3472, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	E1F8A5
RGB	225, 248, 165
RGB Percent	88%, 97%, 65%
CMY	0.1175, 0.0275, 0.3528
CMYK	0.09, 0.00, 0.33, 0.03
HSL	77°, 86%, 81%
HSV	77°, 33%, 97%
XYZ	71.4189, 85.8590, 48.4217
YIQ	231.6610, 12.9350, -30.6890

Conversions

Conversions Part 2

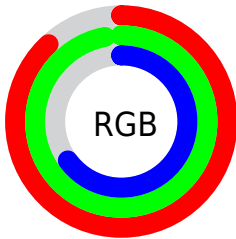
Format	Color
R_{YB}	165, 248, 188
Decimal	14809253
CIE _{Lab}	94.25, -20.66, 37.43
CIE _{LCh}	94, 42.754, 118.897
Y _{xy}	85.8590, 0.3472, 0.4174
Android (android.graphics.Color)	4292999333 (0xFFE1F8A5)
YUV	231.6610, -32.8639, -5.8417
Hunter-Lab	92.6601, -24.5742, 33.8787

Details

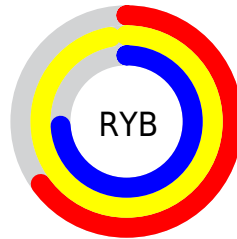
The Yxy color **85.8590, 0.3472, 0.4174** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.3927, 0.2689, 0.2334**, and the grayscale version is **80.6797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **47.3041, 0.3535, 0.4384** is the 20% darker color. If you saturate the color by 10%, you get **83.9636, 0.3563, 0.4447**, and if you desaturate by 10%, it is **87.9815, 0.3372, 0.3899**.

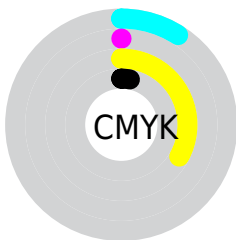
Distribution



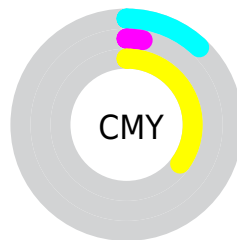
- Red (88%)
- Green (97%)
- Blue (65%)



- Red (65%)
- Yellow (97%)
- Blue (74%)



- Cyan (9%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)




- Cyan (12%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8590, 0.3472, 0.4174 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 85.8590, 0.3472, 0.4174 by changing the saturation by 10% instead.


 85.8590, 0.3472,
0.4174

 85.8590, 0.3472,
0.4174


514.4662, 0.3328,
0.3766

 64.5514, 0.3500,
0.4266


 141.5727, 0.3426,
0.4033

 47.0974, 0.3533,
0.4379


 176.7476, 0.3407,
0.3978

 33.1127, 0.3571,
0.4519


217.3137, 0.3390,
0.3931

 22.2128, 0.3613,
0.4699

263.6554, 0.3375,
0.3889

 14.0133, 0.3658,
0.4935

316.1571, 0.3361,
0.3853

 8.1299, 0.3697,
0.5255

375.2032, 0.3349,

 4.1782, 0.3771,

0.3820

0.5803

441.1781, 0.3338,
0.3792

■ 1.7737, 0.3616,
0.6384

■ 0.4707, 0.0000,
1.0000

■ 85.8590, 0.3472,
0.4174

■ 85.8590, 0.3472,
0.4174

■ 83.9636, 0.3563,
0.4447

■ 87.9815, 0.3372,
0.3899

■ 82.2732, 0.3641,
0.4707

■ 90.3296, 0.3267,
0.3630

■ 80.7799, 0.3699,
0.4942

■ 92.9161, 0.3163,
0.3375

■ 79.4706, 0.3733,
0.5140

■ 95.1406, 0.3114,
0.3223

■ 78.3301, 0.3741,
0.5292

■ 95.6130, 0.3130,
0.3223

■ 77.3402, 0.3725,
0.5396

■ 76.7563, 0.3703,
0.5442

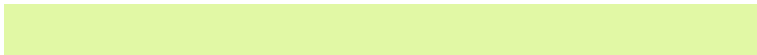
Harmonies

Analogous

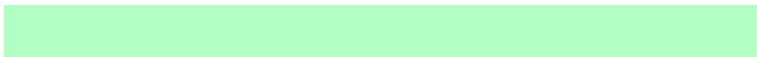
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8590, 0.3880, 0.4061



85.8590, 0.3472, 0.4174



85.8590, 0.2990, 0.4002

Triad

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



85.8590, 0.3472, 0.4174



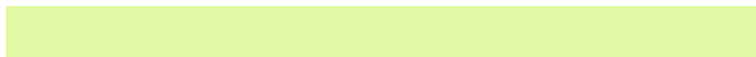
85.8590, 0.2245, 0.2724



85.8590, 0.3692, 0.3000

Complementary

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



85.8590, 0.3472, 0.4174



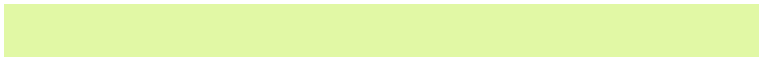
44.3927, 0.2689, 0.2334

Split Complementary

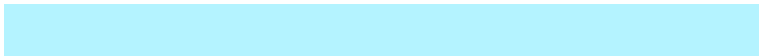
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8590, 0.3208, 0.2702



85.8590, 0.3472, 0.4174



85.8590, 0.2396, 0.2534

Square

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



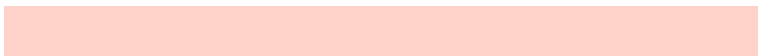
85.8590, 0.3472, 0.4174



85.8590, 0.2303, 0.3099



85.8590, 0.2736, 0.2534



85.8590, 0.4025, 0.3374

Rectangle

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



85.8590, 0.3472, 0.4174



85.8590, 0.2694, 0.3740



85.8590, 0.2736, 0.2534



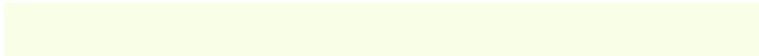
85.8590, 0.3539, 0.2889

Sweetspot

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



85.8628, 0.3472, 0.4174



97.1505, 0.3231, 0.3541



58.2821, 0.3834, 0.3530



20.7130, 0.3246, 0.3577



0.0000, 0.0000, 0.0000



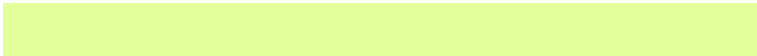
21.4041, 0.3127, 0.3290

Same Dimension

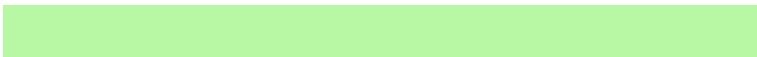
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8628, 0.3472, 0.4174



90.1115, 0.3534, 0.4355



80.0900, 0.3200, 0.4255



19.9351, 0.3226, 0.3527



41.5385, 0.3711, 0.5435



3.9000, 0.3771, 0.5388

Inverse Universe

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



44.3927, 0.2689, 0.2334



39.8555, 0.2581, 0.2118



50.2993, 0.3008, 0.2417



16.8756, 0.3022, 0.3048



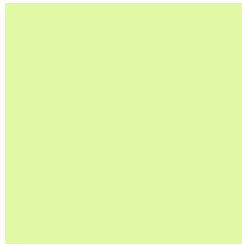
4.3977, 0.1673, 0.0695



0.4577, 0.1793, 0.0762

Previews

White Background



This preview shows how the Yxy color 85.8590, 0.3472, 0.4174 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 85.8590, 0.3472, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

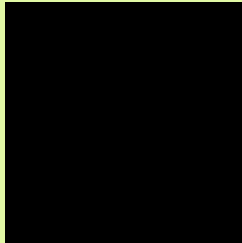
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8590, 0.3472, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 85.8590, 0.3472, 0.4174.

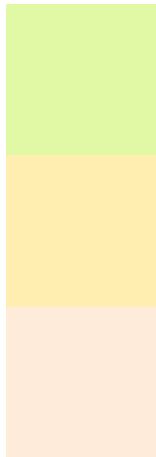


This preview shows how white text looks on a background with the Yxy color 85.8590, 0.3472, 0.4174.

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

85.8590, 0.3472, 0.4174

Protanopia

85.5042, 0.3650, 0.3924

Deuteranopia

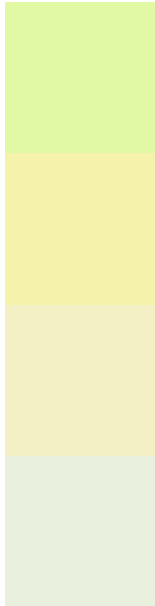
85.6864, 0.3380, 0.3470



Tritanopia

85.7929, 0.3018, 0.3110

Trichromacy



Original Color

85.8590, 0.3472, 0.4174

Protanomaly

85.6776, 0.3585, 0.4020

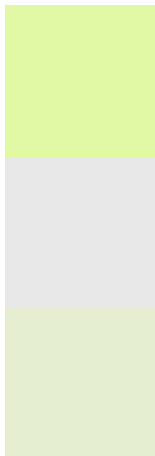
Deuteranomaly

85.6305, 0.3419, 0.3721

Tritanomaly

85.5082, 0.3191, 0.3487

Monochromacy



Original Color

85.8590, 0.3472, 0.4174

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

82.3612, 0.3253, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8590, 0.3472, 0.4174 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, 248, 165)` looks like.

```
.text, #text, p{  
    color:rgb(225, 248, 165)  
}
```

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, 248, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 248, 165) }
```

Border

The CSS property to change the border of an element to Yxy 85.8590, 0.3472, 0.4174 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, 248, 165) }
```

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

```
.border{ border-color:rgb(225, 248, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 248, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 248, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 248, 165); box-shadow:4px 4px 4px 4px rgb(225, 248, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8590, 0.3472, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 248, 165) }
```

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

```
.background{ background-color: rgb(225,  
248, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor