

Converting Colors

$Y_{xy}(85.7273, 0.3345, 0.3551)$

Have a look what the booklet for
Yxy(85.7273, 0.3345, 0.3551)
contains.

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Color

Yxy(85.5460, 0.3339, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	F6EED5
RGB	246, 238, 213
RGB Percent	96%, 93%, 84%
CMY	0.0352, 0.0667, 0.1646
CMYK	0.00, 0.03, 0.13, 0.04
HSL	45°, 65%, 90%
HSV	45°, 13%, 96%
XYZ	80.5977, 85.5460, 75.2390
YIQ	237.5420, 12.7930, -6.0790

Conversions

Conversions Part 2

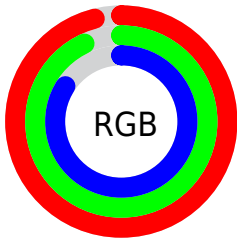
Format	Color
RYB	224, 246, 213
Decimal	16182997
CIELab	94.12, -1.39, 13.04
CIELCh	94, 13.115, 96.075
Yxy	85.5460, 0.3339, 0.3544
Android (android.graphics.Color)	4294373077 (0xFFFF6EED5)
YUV	237.5420, -12.0992, 7.4177
Hunter-Lab	92.4911, -6.3127, 16.5130

Details

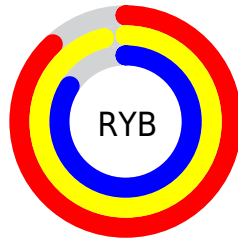
The Yxy color **85.5460, 0.3339, 0.3544** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.5468, 0.2915, 0.3023**, and the grayscale version is **85.2207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8717, 0.3393, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **80.9695, 0.3512, 0.3741**, and if you desaturate by 10%, it is **90.4352, 0.3179, 0.3353**.

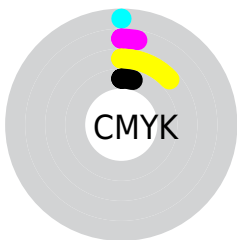
Distribution



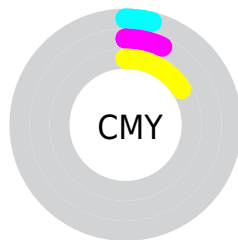
- Red (96%)
- Green (93%)
- Blue (84%)



- Red (88%)
- Yellow (96%)
- Blue (84%)



- Cyan (0%)
- Magenta (3%)
- Yellow (13%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5460, 0.3339, 0.3544 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 85.5460, 0.3339, 0.3544 by changing the saturation by 10% instead.


 85.5460, 0.3339,
0.3544

 85.5460, 0.3339,
0.3544

513.4330, 0.3244,
0.3430

 64.2926, 0.3360,
0.3569


141.1358, 0.3307,
0.3505

 46.8877, 0.3386,
0.3601


176.2409, 0.3294,
0.3489

 32.9469, 0.3418,
0.3639


216.7322, 0.3283,
0.3476

 22.0858, 0.3458,
0.3689

262.9939, 0.3273,
0.3464

 13.9199, 0.3513,
0.3756

315.4104, 0.3264,
0.3454

 8.0650, 0.3587,
0.3848

374.3662, 0.3257,

 4.1366, 0.3697,

0.3445

0.3985

440.2456, 0.3250,
0.3437

■ 1.7502, 0.3880,
0.4216

■ 0.4559, 0.4670,
0.5330

■ 85.5460, 0.3339,
0.3544

■ 85.5460, 0.3339,
0.3544

■ 80.9695, 0.3512,
0.3741

■ 90.4352, 0.3179,
0.3353

■ 76.6848, 0.3694,
0.3940

■ 95.1596, 0.3073,
0.3241

■ 72.6853, 0.3882,
0.4132

■ 98.3352, 0.3072,
0.3290

■ 68.9600, 0.4070,
0.4307

■ 65.4967, 0.4249,
0.4457

■ 62.2820, 0.4410,
0.4569

■ 59.3003, 0.4547,
0.4635

■ 56.5330, 0.4654,
0.4652

■ 54.8075, 0.4710,
0.4642

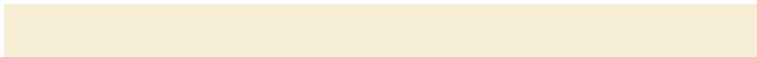
Harmonies

Analogous

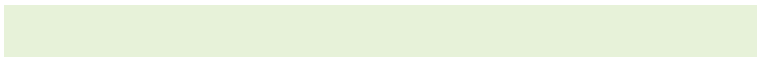
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5460, 0.3415, 0.3475



85.5460, 0.3339, 0.3544



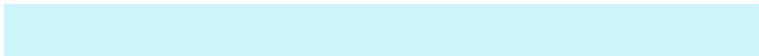
85.5460, 0.3207, 0.3544

Triad

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



85.5460, 0.3339, 0.3544



85.5460, 0.2851, 0.3210



85.5460, 0.3194, 0.3118

Complementary

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



85.5460, 0.3339, 0.3544



72.5468, 0.2915, 0.3023

Split Complementary

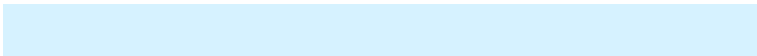
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5460, 0.3042, 0.3050



85.5460, 0.3339, 0.3544



85.5460, 0.2847, 0.3099

Square

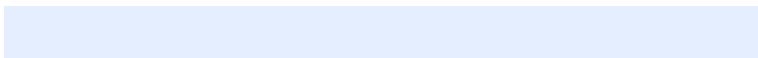
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5460, 0.3339, 0.3544



85.5460, 0.2927, 0.3348



85.5460, 0.2916, 0.3042



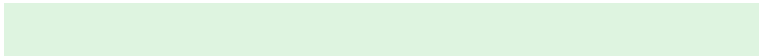
85.5460, 0.3330, 0.3230

Rectangle

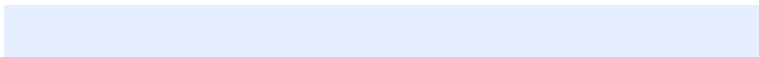
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5460, 0.3339, 0.3544



85.5460, 0.3106, 0.3504



85.5460, 0.2916, 0.3042



85.5460, 0.3143, 0.3089

Sweetspot

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



85.5498, 0.3339, 0.3544



97.7889, 0.3188, 0.3364



72.4383, 0.3315, 0.3206



20.8432, 0.3200, 0.3378



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.



85.5498, 0.3339, 0.3544



91.4811, 0.3383, 0.3595



88.8628, 0.3273, 0.3628



18.5912, 0.3275, 0.3468



29.4810, 0.4700, 0.4650



2.7502, 0.4623, 0.4711

Inverse Universe

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



72.5468, 0.2915, 0.3023



74.9198, 0.2870, 0.2965



69.6787, 0.2969, 0.2940



16.5807, 0.2979, 0.3105



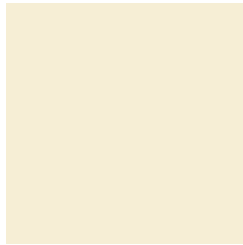
5.4467, 0.1576, 0.0874



0.6331, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 85.5460, 0.3339, 0.3544 looks on a white background.

Color Contrast Check

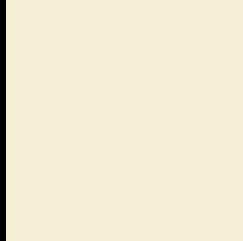
Large Text (above 18pt) WCAG AA × Fail

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 85.5460, 0.3339, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

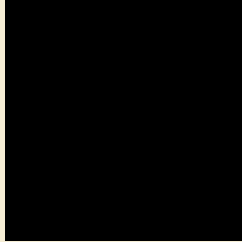
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

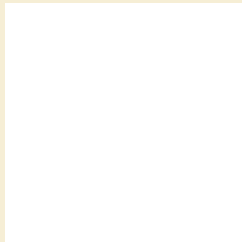
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5460, 0.3339, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 85.5460, 0.3339, 0.3544.

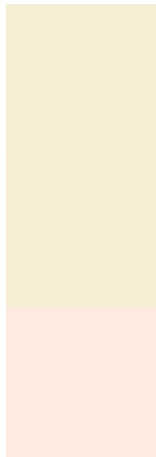


This preview shows how white text looks on a background with the Yxy color 85.5460, 0.3339, 0.3544.

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

85.5460, 0.3339, 0.3544

Protanopia

85.3289, 0.3354, 0.3533

Deuteranopia

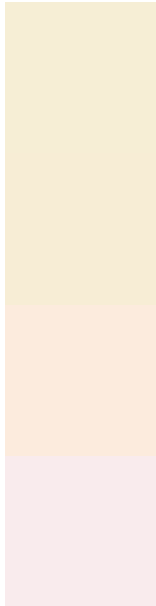
85.5966, 0.3322, 0.3370



Tritanopia

85.7521, 0.3135, 0.3114

Trichromacy



Original Color

85.5460, 0.3339, 0.3544

Protanomaly

85.1466, 0.3347, 0.3534

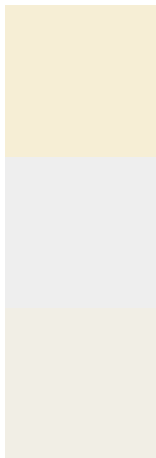
Deuteranomaly

85.3326, 0.3333, 0.3431

Tritanomaly

85.6708, 0.3209, 0.3270

Monochromacy



Original Color

85.5460, 0.3339, 0.3544

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5070, 0.3203, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5460, 0.3339, 0.3544 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(246, 238, 213)` looks like.

```
.text, #text, p{  
    color:rgb(246, 238, 213)  
}
```

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(246, 238, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 238, 213) }
```

Border

The CSS property to change the border of an element to Yxy 85.5460, 0.3339, 0.3544 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(246, 238, 213) }
```

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

```
.border{ border-color:rgb(246, 238, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 238, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 238, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 238, 213);  
box-shadow:4px 4px 4px 4px rgb(246, 238,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5460, 0.3339, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 238, 213) }
```

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

```
.background{ background-color: rgb(246,  
238, 213) }
```

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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