

Converting Colors

Yxy(84.8617, 0.3344, 0.3571)

Have a look what the booklet for
Yxy(84.8617, 0.3344, 0.3571)
contains.

Yxy(85.0353, 0.3345, 0.3577)	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(85.0353, 0.3345, 0.3577)

Conversions

Conversions Part 1

Format	Color
Hex	F4EED2
RGB	244, 238, 210
RGB Percent	96%, 93%, 82%
CMY	0.0430, 0.0667, 0.1766
CMYK	0.00, 0.02, 0.14, 0.04
HSL	49°, 61%, 89%
HSV	49°, 14%, 96%
XYZ	79.5200, 85.0353, 73.1727
YIQ	236.6020, 12.5640, -7.4360

Conversions

Conversions Part 2

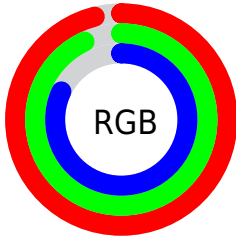
Format	Color
R _Y B	217, 244, 210
Decimal	16051922
CIE Lab	93.90, -2.56, 14.30
CIE LCh	94, 14.524, 100.153
Yxy	85.0353, 0.3345, 0.3577
Android (android.graphics.Color)	4294242002 (0xFFFF4EED2)
YUV	236.6020, -13.1148, 6.4880
Hunter-Lab	92.2146, -7.4484, 17.5033

Details

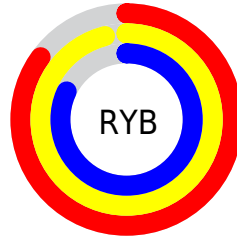
The Yxy color **85.0353, 0.3345, 0.3577** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.3417, 0.2905, 0.2986**, and the grayscale version is **84.4653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5138, 0.3400, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **81.4281, 0.3513, 0.3790**, and if you desaturate by 10%, it is **88.8958, 0.3187, 0.3370**.

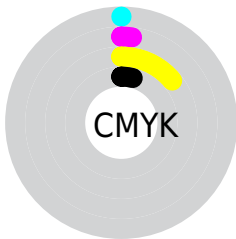
Distribution



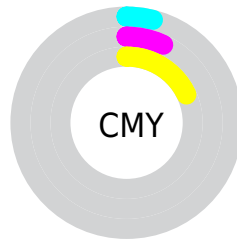
- Red (96%)
- Green (93%)
- Blue (82%)



- Red (85%)
- Yellow (96%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0353, 0.3345, 0.3577 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 85.0353, 0.3345, 0.3577 by changing the saturation by 10% instead.


 85.0353, 0.3345,
0.3577

 85.0353, 0.3345,
0.3577


511.7449, 0.3247,
0.3447

 63.8705, 0.3367,
0.3606


140.4225, 0.3312,
0.3533

 46.5458, 0.3393,
0.3641


175.4137, 0.3299,
0.3515

 32.6768, 0.3426,
0.3686


215.7826, 0.3287,
0.3500

 21.8789, 0.3467,
0.3743

261.9134, 0.3277,
0.3487

 13.7680, 0.3522,
0.3819

314.1907, 0.3268,
0.3475

 7.9595, 0.3598,
0.3924

372.9988, 0.3261,

 4.0690, 0.3709,

0.3465

0.4082

438.7220, 0.3254,
0.3456

■ 1.7122, 0.3909,
0.4368

■ 0.4316, 0.4462,
0.5538

■ 85.0353, 0.3345,
0.3577

■ 85.0353, 0.3345,
0.3577

■ 81.4281, 0.3513,
0.3790

■ 88.8958, 0.3187,
0.3370

■ 78.0543, 0.3686,
0.4003

■ 92.7613, 0.3062,
0.3208

■ 74.9081, 0.3861,
0.4207

■ 95.4297, 0.3061,
0.3251

■ 71.9792, 0.4030,
0.4392

■ 97.9787, 0.3060,
0.3290

■ 69.2566, 0.4187,
0.4550

■ 66.7274, 0.4323,
0.4669

■ 64.3772, 0.4433,
0.4742

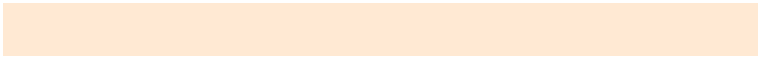
■ 62.1883, 0.4514,
0.4769

■ 60.9285, 0.4552,
0.4768

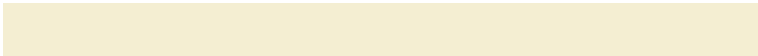
Harmonies

Analogous

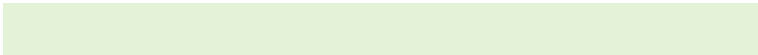
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0353, 0.3440, 0.3508



85.0353, 0.3345, 0.3577



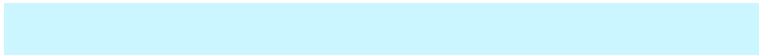
85.0353, 0.3193, 0.3567

Triad

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



85.0353, 0.3345, 0.3577



85.0353, 0.2816, 0.3181



85.0353, 0.3223, 0.3114

Complementary

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



85.0353, 0.3345, 0.3577



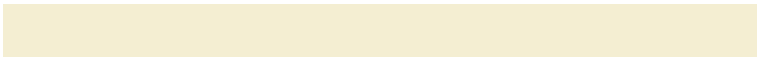
69.3417, 0.2905, 0.2986

Split Complementary

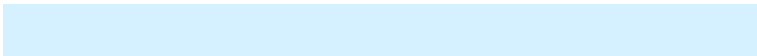
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0353, 0.3055, 0.3031



85.0353, 0.3345, 0.3577



85.0353, 0.2823, 0.3065

Square

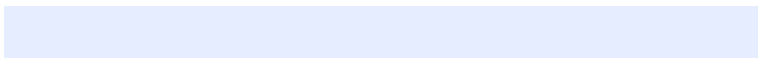
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



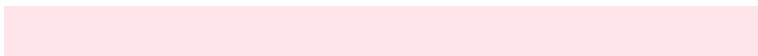
85.0353, 0.3345, 0.3577



85.0353, 0.2889, 0.3333



85.0353, 0.2909, 0.3012



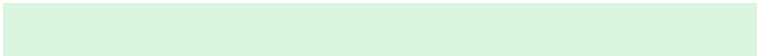
85.0353, 0.3369, 0.3242

Rectangle

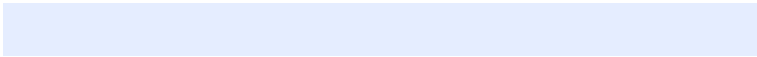
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0353, 0.3345, 0.3577



85.0353, 0.3081, 0.3514



85.0353, 0.2909, 0.3012



85.0353, 0.3167, 0.3080

Sweetspot

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



85.0391, 0.3345, 0.3577



98.2134, 0.3188, 0.3371



70.2847, 0.3340, 0.3225



20.9509, 0.3199, 0.3386



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.



85.0391, 0.3345, 0.3577



92.7157, 0.3396, 0.3642



86.7365, 0.3263, 0.3644



18.7851, 0.3273, 0.3483



33.3022, 0.4545, 0.4773



3.0548, 0.4493, 0.4815

Inverse Universe

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



69.3417, 0.2905, 0.2986



71.9984, 0.2851, 0.2911



67.9444, 0.2977, 0.2927



16.4011, 0.2979, 0.3089



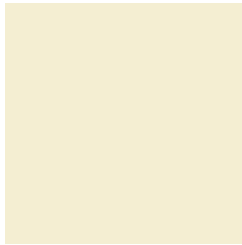
4.6371, 0.1545, 0.0760



0.5376, 0.1601, 0.0964

Previews

White Background



This preview shows how the Yxy color 85.0353, 0.3345, 0.3577 looks on a white background.

Color Contrast Check

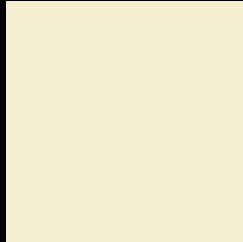
Large Text (above 18pt) WCAG AA × Fail

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 85.0353, 0.3345, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

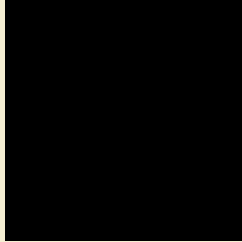
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

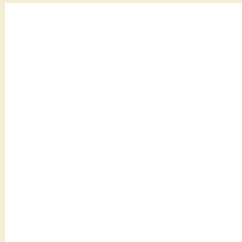
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0353, 0.3345, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 85.0353, 0.3345, 0.3577.



This preview shows how white text looks on a background with the Yxy color 85.0353, 0.3345, 0.3577.

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

85.0353, 0.3345, 0.3577

Protanopia

85.1283, 0.3381, 0.3575

Deuteranopia

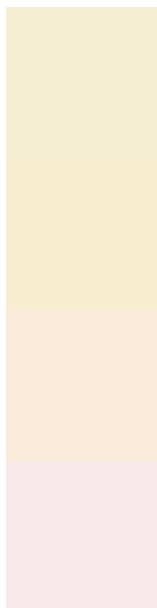
84.9196, 0.3337, 0.3380



Tritanopia

84.9393, 0.3135, 0.3114

Trichromacy



Original Color

85.0353, 0.3345, 0.3577

Protanomaly

84.9460, 0.3373, 0.3575

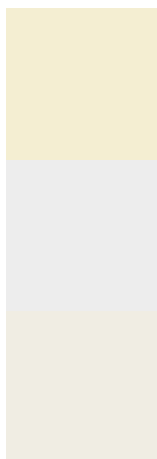
Deuteranomaly

85.0404, 0.3339, 0.3451

Tritanomaly

84.8003, 0.3216, 0.3280

Monochromacy



Original Color

85.0353, 0.3345, 0.3577

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6397, 0.3210, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0353, 0.3345, 0.3577 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(244, 238, 210)` looks like.

```
.text, #text, p{  
    color:rgb(244, 238, 210)  
}
```

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(244, 238, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 238, 210) }
```

Border

The CSS property to change the border of an element to Yxy 85.0353, 0.3345, 0.3577 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(244, 238, 210) }
```

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

```
.border{ border-color:rgb(244, 238, 210) }
```

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

Here you see how a box with a 4 pixel rgb(244, 238, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 238, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 238, 210);  
box-shadow:4px 4px 4px 4px rgb(244, 238,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0353, 0.3345, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 238, 210) }
```

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

```
.background{ background-color: rgb(244,  
238, 210) }
```

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