

Converting Colors

Yxy(83.6310, 0.3306, 0.3646)

Have a look what the booklet for
Yxy(83.6310, 0.3306, 0.3646)
contains.

Yxy(83.6332, 0.3306, 0.3646)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.6332, 0.3306, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	EAEFCD
RGB	234, 239, 205
RGB Percent	92%, 94%, 80%
CMY	0.0821, 0.0628, 0.1960
CMYK	0.02, 0.00, 0.14, 0.06
HSL	69°, 51%, 87%
HSV	69°, 14%, 94%
XYZ	75.8342, 83.6332, 69.9161
YIQ	233.6290, 7.9340, -11.6340

Conversions

Conversions Part 2

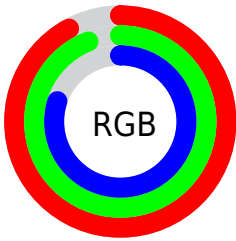
Format	Color
R_{YB}	205, 239, 210
Decimal	15396813
CIE Lab	93.29, -7.34, 15.89
CIE LCh	93, 17.500, 114.788
Yxy	83.6332, 0.3306, 0.3646
Android (android.graphics.Color)	4293586893 (0xFFEAEFCD)
YUV	233.6290, -14.1141, 0.3254
Hunter-Lab	91.4512, -12.0218, 18.6876

Details

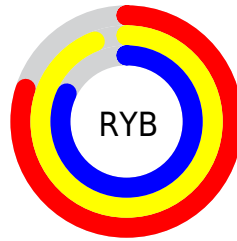
The Yxy color **83.6332, 0.3306, 0.3646** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.5982, 0.2933, 0.2916**, and the grayscale version is **82.0979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5663, 0.3341, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **81.9881, 0.3433, 0.3907**, and if you desaturate by 10%, it is **85.4734, 0.3179, 0.3393**.

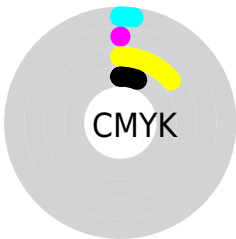
Distribution



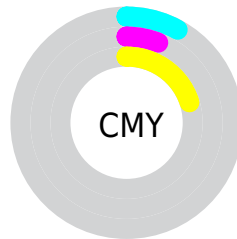
- Red (92%)
- Green (94%)
- Blue (80%)



- Red (80%)
- Yellow (94%)
- Blue (82%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (8%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6332, 0.3306, 0.3646 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 83.6332, 0.3306, 0.3646 by changing the saturation by 10% instead.


 83.6332, 0.3306,
0.3646

 83.6332, 0.3306,
0.3646

507.0944, 0.3226,
0.3483

 62.7126, 0.3323,
0.3683


138.4620, 0.3279,
0.3590

 45.6088, 0.3344,
0.3728

173.1390, 0.3268,
0.3568

 31.9372, 0.3371,
0.3785


213.1702, 0.3259,
0.3549

 21.3135, 0.3404,
0.3858

258.9401, 0.3251,
0.3532

 13.3534, 0.3447,
0.3957

310.8331, 0.3244,
0.3518

 7.6723, 0.3505,
0.4097

369.2336, 0.3237,

 3.8860, 0.3586,

0.3505

0.4309

434.5259, 0.3232,
0.3493

■ 1.6100, 0.3783,
0.4763

■ 0.3643, 0.3145,
0.6855

■ 83.6332, 0.3306,
0.3646

■ 83.6332, 0.3306,
0.3646

■ 81.9881, 0.3433,
0.3907

■ 85.4734, 0.3179,
0.3393

■ 80.5192, 0.3557,
0.4169

■ 87.5052, 0.3057,
0.3153

■ 79.2213, 0.3671,
0.4423

■ 88.2606, 0.3066,
0.3133

■ 78.0850, 0.3771,
0.4658

■ 88.8880, 0.3088,
0.3134

■ 77.1001, 0.3852,
0.4864

■ 89.5272, 0.3111,
0.3135

■ 76.2548, 0.3908,
0.5030

■ 90.1782, 0.3133,
0.3136

■ 75.5356, 0.3938,
0.5152

■ 90.2053, 0.3134,
0.3136

■ 74.9261, 0.3942,
0.5228

■ 74.6089, 0.3936,
0.5257

Harmonies

Analogous

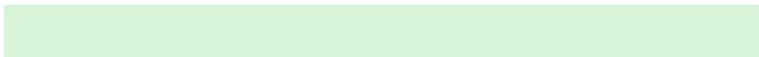
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6332, 0.3461, 0.3605



83.6332, 0.3306, 0.3646



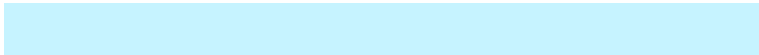
83.6332, 0.3106, 0.3585

Triad

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



83.6332, 0.3306, 0.3646



83.6332, 0.2743, 0.3080



83.6332, 0.3337, 0.3148

Complementary

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



83.6332, 0.3306, 0.3646



63.5982, 0.2933, 0.2916

Split Complementary

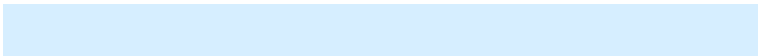
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6332, 0.3138, 0.3018



83.6332, 0.3306, 0.3646



83.6332, 0.2800, 0.2976

Square

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



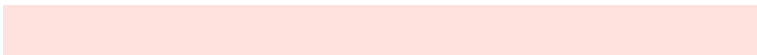
83.6332, 0.3306, 0.3646



83.6332, 0.2785, 0.3248



83.6332, 0.2942, 0.2955



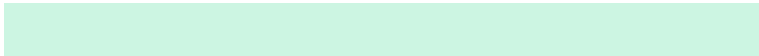
83.6332, 0.3481, 0.3315

Rectangle

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



83.6332, 0.3306, 0.3646



83.6332, 0.2975, 0.3493



83.6332, 0.2942, 0.2955



83.6332, 0.3274, 0.3099

Sweetspot

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



83.6369, 0.3306, 0.3646



99.0809, 0.3177, 0.3388



68.6287, 0.3384, 0.3339



21.1713, 0.3186, 0.3407



0.0000, 0.0000, 0.0000



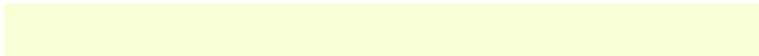
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6369, 0.3306, 0.3646



96.3429, 0.3342, 0.3720



80.9588, 0.3192, 0.3659



18.3361, 0.3246, 0.3525



41.2804, 0.3940, 0.5254



3.4656, 0.3975, 0.5226

Inverse Universe

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



63.5982, 0.2933, 0.2916



69.0279, 0.2889, 0.2833



66.1593, 0.3052, 0.2929



15.3387, 0.3002, 0.3047



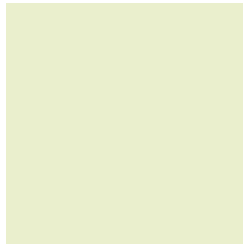
3.6719, 0.1558, 0.0632



0.3390, 0.1658, 0.0687

Previews

White Background



This preview shows how the Yxy color 83.6332, 0.3306, 0.3646 looks on a white background.

Color Contrast Check

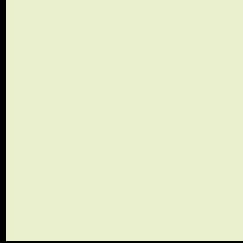
Large Text (above 18pt) WCAG AA × Fail

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 83.6332, 0.3306, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

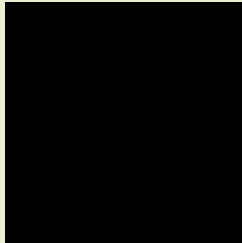
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

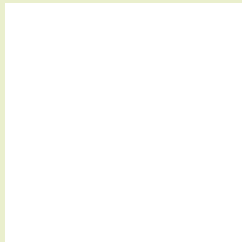
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6332, 0.3306, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 83.6332, 0.3306, 0.3646.

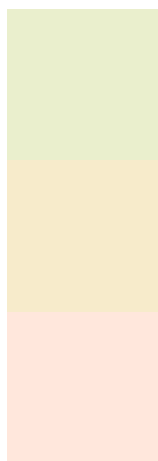


This preview shows how white text looks on a background with the Yxy color 83.6332, 0.3306, 0.3646.

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

83.6332, 0.3306, 0.3646

Protanopia

83.5026, 0.3416, 0.3618

Deuteranopia

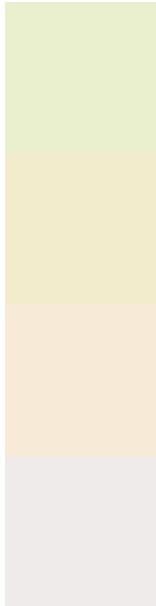
83.5791, 0.3366, 0.3400



Tritanopia

83.3790, 0.3069, 0.3100

Trichromacy



Original Color

83.6332, 0.3306, 0.3646

Protanomaly

83.2278, 0.3372, 0.3621

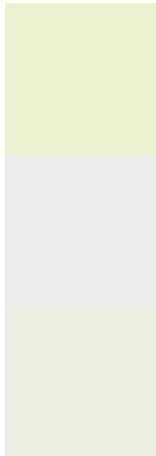
Deuteranomaly

83.5261, 0.3339, 0.3484

Tritanomaly

83.5343, 0.3154, 0.3300

Monochromacy



Original Color

83.6332, 0.3306, 0.3646

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.8110, 0.3195, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6332, 0.3306, 0.3646 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(234, 239, 205)` looks like.

```
.text, #text, p{  
    color:rgb(234, 239, 205)  
}
```

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(234, 239, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 239, 205) }
```

Border

The CSS property to change the border of an element to Yxy 83.6332, 0.3306, 0.3646 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(234, 239, 205) }
```

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

```
.border{ border-color:rgb(234, 239, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 239, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 239, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 239, 205);  
box-shadow:4px 4px 4px 4px rgb(234, 239,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6332, 0.3306, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 239, 205) }
```

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

```
.background{ background-color: rgb(234,  
239, 205) }
```

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