

Converting Colors

$Yxy(83.0789, 0.3433, 0.3658)$

Have a look what the booklet for
Yxy(83.0789, 0.3433, 0.3658)
contains.

Yxy(83.1330, 0.3435, 0.3660)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.1330, 0.3435, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	F6EBC7
RGB	246, 235, 199
RGB Percent	96%, 92%, 78%
CMY	0.0353, 0.0784, 0.2195
CMYK	0.00, 0.04, 0.19, 0.04
HSL	46°, 72%, 87%
HSV	46°, 19%, 96%
XYZ	78.0224, 83.1330, 65.9840
YIQ	234.1850, 18.1120, -8.8640

Conversions

Conversions Part 2

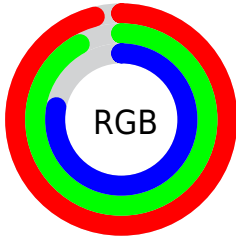
Format	Color
R _Y B	213, 246, 199
Decimal	16182215
CIE Lab	93.07, -1.98, 18.81
CIE LCh	93, 18.912, 96.003
Yxy	83.1330, 0.3435, 0.3660
Android (android.graphics.Color)	4294372295 (0xFFFF6EBC7)
YUV	234.1850, -17.3462, 10.3618
Hunter-Lab	91.1773, -6.8140, 20.9166

Details

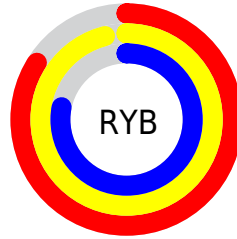
The Yxy color **83.1330, 0.3435, 0.3660** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.8972, 0.2817, 0.2891**, and the grayscale version is **82.5529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1033, 0.3501, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **78.8440, 0.3613, 0.3861**, and if you desaturate by 10%, it is **87.7207, 0.3268, 0.3463**.

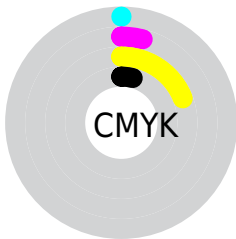
Distribution



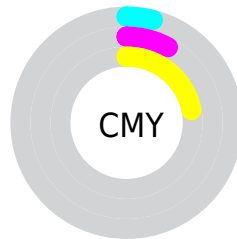
- Red (96%)
- Green (92%)
- Blue (78%)



- Red (84%)
- Yellow (96%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (4%)





- Cyan (4%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1330, 0.3435, 0.3660 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 83.1330, 0.3435, 0.3660 by changing the saturation by 10% instead.


 83.1330, 0.3435,
0.3660

 83.1330, 0.3435,
0.3660

505.4297, 0.3297,
0.3492

 62.2999, 0.3466,
0.3697


137.7617, 0.3388,
0.3603

 45.2751, 0.3503,
0.3743

172.3261, 0.3369,
0.3580

 31.6741, 0.3549,
0.3800


212.2364, 0.3353,
0.3561

 21.1127, 0.3609,
0.3873


257.8769, 0.3339,
0.3543

 13.2064, 0.3686,
0.3970

309.6321, 0.3326,
0.3528

 7.5708, 0.3793,
0.4105


367.8864, 0.3315,


 3.8216, 0.3945,


0.3515


0.4301


433.0241, 0.3305,
0.3503

 1.5743, 0.4374,
0.4827


 0.3402, 0.4471,
0.5529


 83.1330, 0.3435,
0.3660


 83.1330, 0.3435,
0.3660

 78.8440, 0.3613,
0.3861


 87.7207, 0.3268,
0.3463

 74.8326, 0.3797,
0.4058

 92.6050, 0.3114,
0.3273

 71.0920, 0.3984,
0.4244

 96.5967, 0.3072,
0.3263

 67.6106, 0.4164,
0.4408

 98.3306, 0.3072,
0.3290

■ 64.3757, 0.4331,
0.4538

■ 61.3730, 0.4476,
0.4627

■ 58.5855, 0.4593,
0.4667

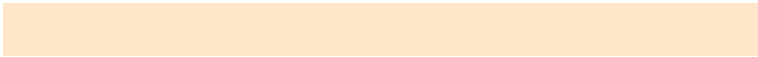
■ 55.9883, 0.4680,
0.4662

■ 55.7585, 0.4687,
0.4660

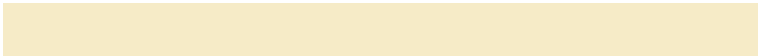
Harmonies

Analogous

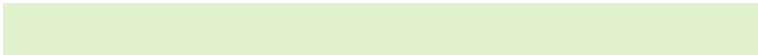
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1330, 0.3547, 0.3554



83.1330, 0.3435, 0.3660



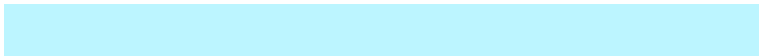
83.1330, 0.3242, 0.3665

Triad

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



83.1330, 0.3435, 0.3660



83.1330, 0.2729, 0.3170



83.1330, 0.3222, 0.3042

Complementary

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



83.1330, 0.3435, 0.3660



64.8972, 0.2817, 0.2891

Split Complementary

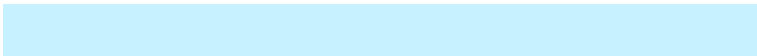
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1330, 0.3002, 0.2944



83.1330, 0.3435, 0.3660



83.1330, 0.2723, 0.3010

Square

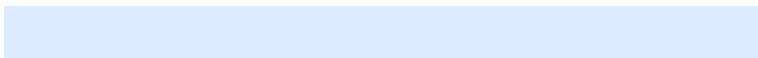
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1330, 0.3435, 0.3660



83.1330, 0.2837, 0.3373



83.1330, 0.2821, 0.2931



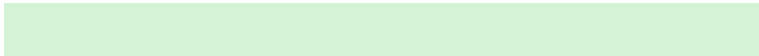
83.1330, 0.3422, 0.3201

Rectangle

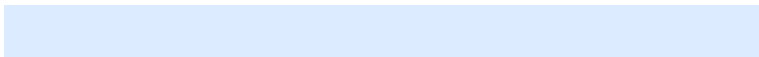
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1330, 0.3435, 0.3660



83.1330, 0.3095, 0.3605



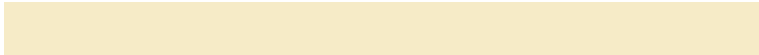
83.1330, 0.2821, 0.2931



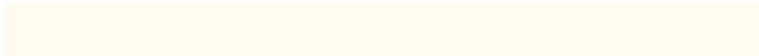
83.1330, 0.3148, 0.3001

Sweetspot

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



83.1367, 0.3435, 0.3660



96.7921, 0.3219, 0.3403



65.1428, 0.3412, 0.3168



20.6443, 0.3229, 0.3416



0.0000, 0.0000, 0.0000



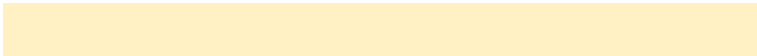
21.4041, 0.3127, 0.3290

Same Dimension

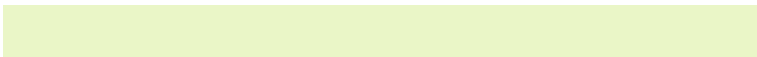
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1367, 0.3435, 0.3660



88.3418, 0.3504, 0.3739



87.5634, 0.3335, 0.3779



18.6182, 0.3274, 0.3470



29.9902, 0.4678, 0.4668



2.7911, 0.4604, 0.4726

Inverse Universe

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



64.8972, 0.2817, 0.2891



65.1273, 0.2747, 0.2796



61.3286, 0.2892, 0.2777



16.5555, 0.2979, 0.3103



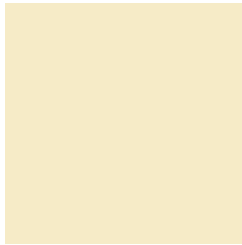
5.3178, 0.1571, 0.0856



0.6186, 0.1634, 0.1083

Previews

White Background



This preview shows how the Yxy color 83.1330, 0.3435, 0.3660 looks on a white background.

Color Contrast Check

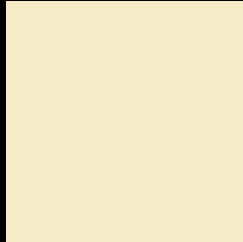
Large Text (above 18pt) WCAG AA × Fail

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 83.1330, 0.3435, 0.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

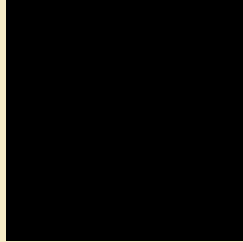
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1330, 0.3435, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 83.1330, 0.3435, 0.3660.

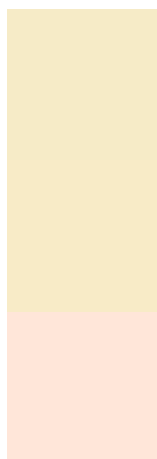


This preview shows how white text looks on a background with the Yxy color 83.1330, 0.3435, 0.3660.

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

83.1330, 0.3435, 0.3660

Protanopia

83.4966, 0.3450, 0.3659

Deuteranopia

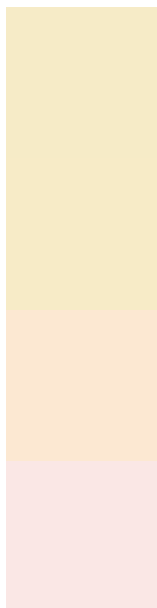
82.8634, 0.3388, 0.3421



Tritanopia

82.8361, 0.3177, 0.3113

Trichromacy



Original Color

83.1330, 0.3435, 0.3660

Protanomaly

83.3143, 0.3442, 0.3659

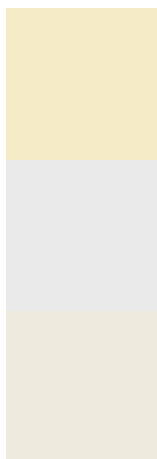
Deuteranomaly

83.0618, 0.3410, 0.3513

Tritanomaly

83.1330, 0.3271, 0.3310

Monochromacy



Original Color

83.1330, 0.3435, 0.3660

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2432, 0.3237, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1330, 0.3435, 0.3660 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, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(246, 235, 199)  
}
```

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, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 235, 199) }
```

Border

The CSS property to change the border of an element to Yxy 83.1330, 0.3435, 0.3660 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, 235, 199) }
```

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

```
.border{ border-color:rgb(246, 235, 199) }
```

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

Here you see how a box with a 4 pixel rgb(246, 235, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 235, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 235, 199);  
box-shadow:4px 4px 4px 4px rgb(246, 235,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1330, 0.3435, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 235, 199) }
```

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

```
.background{ background-color: rgb(246,  
235, 199) }
```

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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