

Converting Colors

Yxy(84.9863, 0.3483, 0.3629)

Have a look what the booklet for
Yxy(84.9863, 0.3483, 0.3629)
contains.

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Color

Yxy(84.8937, 0.3486, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBC9
RGB	255, 235, 201
RGB Percent	100%, 92%, 79%
CMY	0.0002, 0.0784, 0.2117
CMYK	0.00, 0.08, 0.21, 0.00
HSL	38°, 100%, 89%
HSV	38°, 21%, 100%
XYZ	81.4811, 84.8937, 67.3633
YIQ	237.1040, 22.8340, -6.3340

Conversions

Conversions Part 2

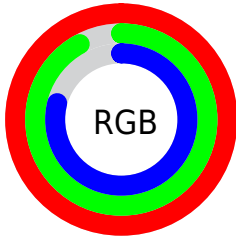
Format	Color
R_{YB}	233, 255, 201
Decimal	16772041
CIE _{Lab}	93.84, 1.54, 18.96
CIE _{LCh}	94, 19.019, 85.342
Yxy	84.8937, 0.3486, 0.3632
Android (android.graphics.Color)	4294962121 (0xFFFFEBC9)
YUV	237.1040, -17.7993, 15.6948
Hunter-Lab	92.1378, -3.3864, 21.1486

Details

The Yxy color $84.8937, 0.3486, 0.3632$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $71.3308, 0.2785, 0.2923$, and the grayscale version is $84.8987, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.3525, 0.3568, 0.3702$ is the 20% darker color. If you saturate the color by 10%, you get $78.5397, 0.3683, 0.3801$, and if you desaturate by 10%, it is $91.7404, 0.3306, 0.3466$.

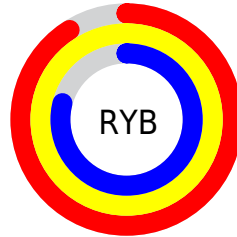
Distribution



Red (100%)

Green (92%)

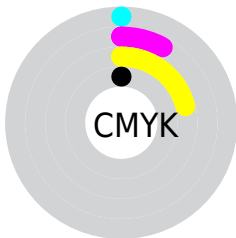
Blue (79%)



Red (91%)

Yellow (100%)

Blue (79%)

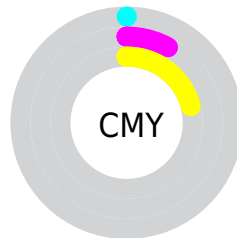


Cyan (0%)

Magenta (8%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8937, 0.3486, 0.3632 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 84.8937, 0.3486, 0.3632 by changing the saturation by 10% instead.


 84.8937, 0.3486,
0.3632

 84.8937, 0.3486,
0.3632


511.2763, 0.3324,
0.3479

 63.7536, 0.3522,
0.3666


140.2246, 0.3431,
0.3580

 46.4511, 0.3565,
0.3707


175.1842, 0.3409,
0.3559

 32.6019, 0.3620,
0.3757


215.5191, 0.3390,
0.3542

 21.8217, 0.3689,
0.3822

261.6136, 0.3374,
0.3526

 13.7259, 0.3780,
0.3907

313.8522, 0.3359,
0.3512

 7.9303, 0.3905,
0.4022

372.6192, 0.3346,

 4.0504, 0.4086,

0.3500

0.4185

438.2991, 0.3335,
0.3489

■ 1.7018, 0.4505,
0.4574

■ 0.4248, 0.5096,
0.4904

■ 84.8937, 0.3486,
0.3632

■ 84.8937, 0.3486,
0.3632

■ 78.5397, 0.3683,
0.3801

■ 91.7404, 0.3306,
0.3466

■ 72.6529, 0.3895,
0.3968

■ 99.0819, 0.3145,
0.3308

■ 67.2219, 0.4118,
0.4123

■ 99.9919, 0.3127,
0.3290

■ 62.2304, 0.4344,
0.4256

■ 57.6607, 0.4562,
0.4355

■ 53.4927, 0.4761,
0.4408

■ 49.7035, 0.4930,
0.4409

■ 46.6383, 0.5052,
0.4370

Harmonies

Analogous

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



84.8937, 0.3559, 0.3499



84.8937, 0.3486, 0.3632



84.8937, 0.3316, 0.3675

Triad

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



84.8937, 0.3486, 0.3632



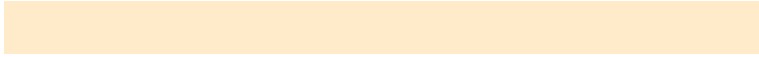
84.8937, 0.2756, 0.3240



84.8937, 0.3143, 0.2999

Complementary

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



84.8937, 0.3486, 0.3632



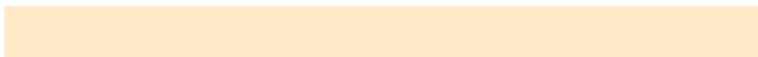
71.3308, 0.2785, 0.2923

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.



84.8937, 0.2931, 0.2930



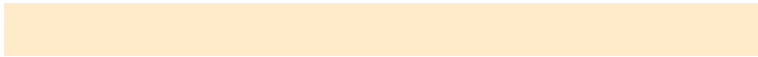
84.8937, 0.3486, 0.3632



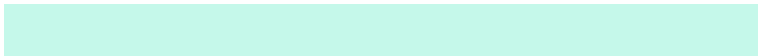
84.8937, 0.2713, 0.3060

Square

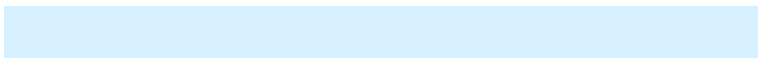
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8937, 0.3486, 0.3632



84.8937, 0.2896, 0.3444



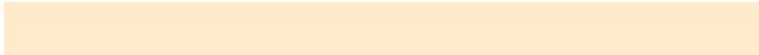
84.8937, 0.2776, 0.2949



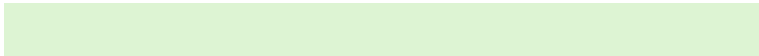
84.8937, 0.3357, 0.3140

Rectangle

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



84.8937, 0.3486, 0.3632



84.8937, 0.3174, 0.3642



84.8937, 0.2776, 0.2949



84.8937, 0.3069, 0.2967

Sweetspot

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



84.8975, 0.3486, 0.3632



95.4976, 0.3221, 0.3383



68.2939, 0.3395, 0.3081



20.3379, 0.3231, 0.3394



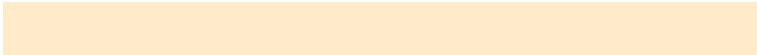
0.0000, 0.0000, 0.0000



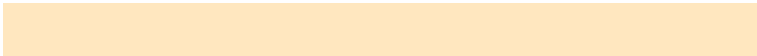
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8975, 0.3486, 0.3632



82.4270, 0.3560, 0.3697



95.7890, 0.3406, 0.3827



19.8956, 0.3278, 0.3440



24.6740, 0.5034, 0.4385



2.6116, 0.4913, 0.4481

Inverse Universe

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



71.3308, 0.2785, 0.2923



66.8366, 0.2719, 0.2846



62.3125, 0.2812, 0.2706



18.4775, 0.2979, 0.3136



8.2412, 0.1659, 0.1172



1.0029, 0.1721, 0.1397

Previews

White Background



This preview shows how the Yxy color 84.8937, 0.3486, 0.3632 looks on a white background.

Color Contrast Check

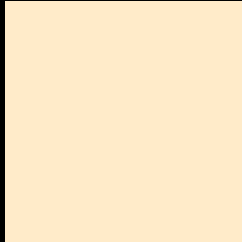
Large Text (above 18pt) WCAG AA × Fail

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 84.8937, 0.3486, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

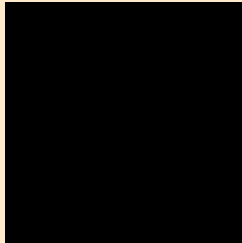
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8937, 0.3486, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 84.8937, 0.3486, 0.3632.



This preview shows how white text looks on a background with the Yxy color 84.8937, 0.3486, 0.3632.

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

84.8937, 0.3486, 0.3632

Protanopia

85.1566, 0.3440, 0.3645

Deuteranopia

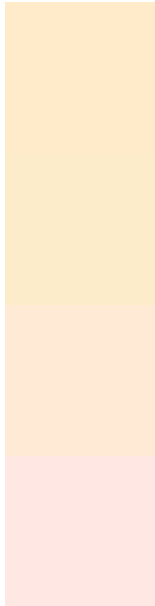
84.8118, 0.3350, 0.3400



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

84.8937, 0.3486, 0.3632

Protanomaly

84.9506, 0.3456, 0.3634

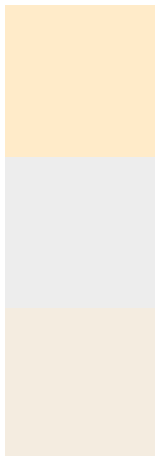
Deuteranomaly

84.9607, 0.3402, 0.3490

Tritanomaly

84.5747, 0.3311, 0.3330

Monochromacy



Original Color

84.8937, 0.3486, 0.3632

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6058, 0.3257, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8937, 0.3486, 0.3632 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(255, 235, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 201)  
}
```

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(255, 235, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 201) }
```

Border

The CSS property to change the border of an element to Yxy 84.8937, 0.3486, 0.3632 is called "border". The border property can be set on classes, ids or directly on the HTML element.

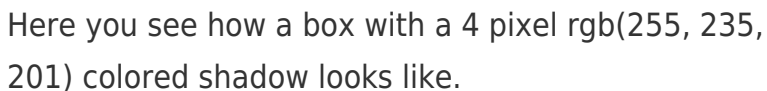
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 201) }
```

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

```
.border{ border-color:rgb(255, 235, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 235, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 201); box-shadow:4px 4px 4px 4px rgb(255, 235, 201) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8937, 0.3486, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 201) }
```

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

```
.background{ background-color: rgb(255,  
235, 201) }
```

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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