

Converting Colors

$Y_{xy}(100.0000, 0.3867, 0.3569)$

Have a look what the booklet for
Yxy(100.0000, 0.3867, 0.3569)
contains.

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Color

Yxy(86.8653, 0.3448, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FFEECE
RGB	255, 238, 206
RGB Percent	100%, 93%, 81%
CMY	0.0000, 0.0667, 0.1921
CMYK	0.00, 0.07, 0.19, 0.00
HSL	39°, 100%, 90%
HSV	39°, 19%, 100%
XYZ	82.9672, 86.8653, 70.7916
YIQ	239.4350, 20.4040, -6.3480

Conversions

Conversions Part 2

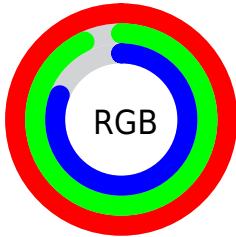
Format	Color
R _Y B	232, 255, 206
Decimal	16772814
CIE Lab	94.68, 0.78, 17.57
CIE LCh	95, 17.584, 87.466
Yxy	86.8653, 0.3448, 0.3610
Android (android.graphics.Color)	4294962894 (0xFFFFEECE)
YUV	239.4350, -16.4835, 13.6505
Hunter-Lab	93.2016, -4.2036, 20.2071

Details

The Yxy color **86.8653, 0.3448, 0.3610** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.1282, 0.2818, 0.2948**, and the grayscale version is **86.7885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7287, 0.3516, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **80.6919, 0.3639, 0.3784**, and if you desaturate by 10%, it is **93.4852, 0.3273, 0.3440**.

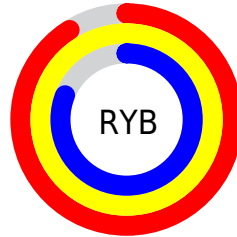
Distribution



Red (100%)

Green (93%)

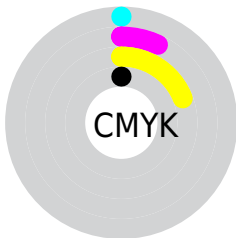
Blue (81%)



Red (91%)

Yellow (100%)

Blue (81%)

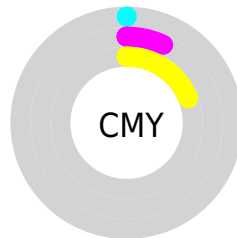


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8653, 0.3448, 0.3610 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 86.8653, 0.3448, 0.3610 by changing the saturation by 10% instead.

 86.8653, 0.3448,
0.3610

 86.8653, 0.3448,
0.3610


517.7801, 0.3304,
0.3467

 65.3837, 0.3480,
0.3641


142.9764, 0.3399,
0.3561

 47.7723, 0.3518,
0.3680


178.3747, 0.3380,
0.3542

 33.6466, 0.3566,
0.3727


219.1807, 0.3363,
0.3526

 22.6222, 0.3627,
0.3787

265.7788, 0.3348,
0.3511

 14.3148, 0.3708,
0.3867

318.5534, 0.3335,
0.3498

 8.3400, 0.3818,
0.3975

377.8889, 0.3324,

 4.3132, 0.3977,

0.3487

0.4129

444.1697, 0.3314,
0.3476

■ 1.8503, 0.4280,
0.4425

■ 0.5182, 0.4968,
0.5032

■ 86.8653, 0.3448,
0.3610

■ 86.8653, 0.3448,
0.3610

■ 80.6919, 0.3639,
0.3784

■ 93.4852, 0.3273,
0.3440

■ 74.9638, 0.3844,
0.3957

100.0000, 0.3127,
0.3290

■ 69.6628, 0.4060,
0.4120

■ 64.7738, 0.4278,
0.4263

■ 60.2800, 0.4489,
0.4374

■ 56.1628, 0.4682,
0.4441

■ 52.4009, 0.4847,
0.4458

■ 48.9639, 0.4979,
0.4424

■ 48.7042, 0.4989,
0.4421

Harmonies

Analogous

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



86.8653, 0.3522, 0.3494



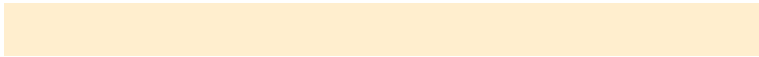
86.8653, 0.3448, 0.3610



86.8653, 0.3288, 0.3642

Triad

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



86.8653, 0.3448, 0.3610



86.8653, 0.2780, 0.3232



86.8653, 0.3156, 0.3030

Complementary

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



86.8653, 0.3448, 0.3610



73.1282, 0.2818, 0.2948

Split Complementary

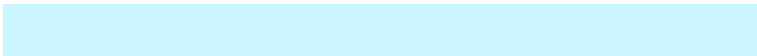
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8653, 0.2960, 0.2960



86.8653, 0.3448, 0.3610



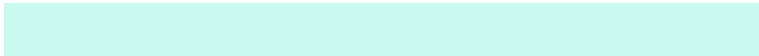
86.8653, 0.2747, 0.3069

Square

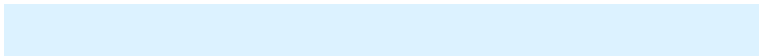
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8653, 0.3448, 0.3610



86.8653, 0.2904, 0.3419



86.8653, 0.2812, 0.2973



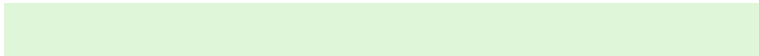
86.8653, 0.3351, 0.3163

Rectangle

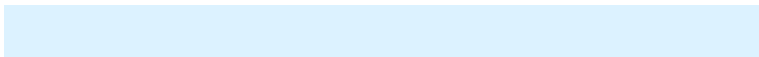
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8653, 0.3448, 0.3610



86.8653, 0.3156, 0.3606



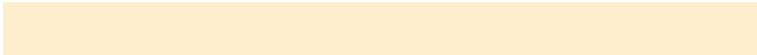
86.8653, 0.2812, 0.2973



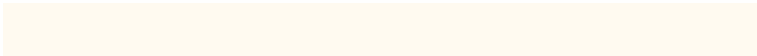
86.8653, 0.3088, 0.2998

Sweetspot

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



86.8612, 0.3448, 0.3610



95.7111, 0.3220, 0.3387



70.7437, 0.3378, 0.3117



20.3884, 0.3231, 0.3397



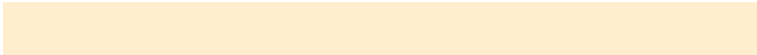
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

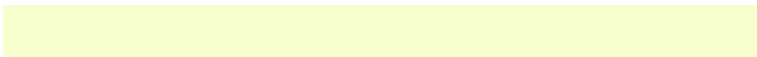
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8612, 0.3448, 0.3610



84.4713, 0.3518, 0.3676



95.8695, 0.3369, 0.3778



19.9668, 0.3278, 0.3445



25.7390, 0.4972, 0.4434



2.7106, 0.4860, 0.4523

Inverse Universe

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



73.1282, 0.2818, 0.2948



68.4799, 0.2753, 0.2871



65.5673, 0.2856, 0.2767



18.4090, 0.2979, 0.3130



7.7155, 0.1642, 0.1111



0.9462, 0.1704, 0.1335

Previews

White Background



This preview shows how the Yxy color 86.8653, 0.3448, 0.3610 looks on a white background.

Color Contrast Check

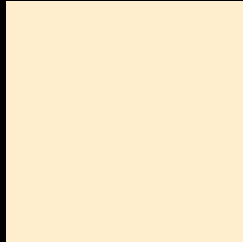
Large Text (above 18pt) WCAG AA × Fail

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 86.8653, 0.3448, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

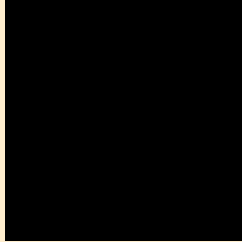
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

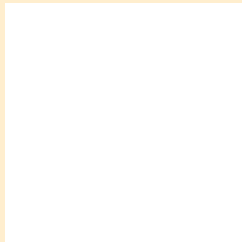
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8653, 0.3448, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 86.8653, 0.3448, 0.3610.

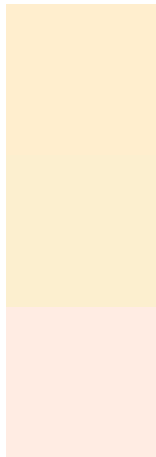


This preview shows how white text looks on a background with the Yxy color 86.8653, 0.3448, 0.3610.

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

86.8653, 0.3448, 0.3610

Protanopia

86.9334, 0.3418, 0.3612

Deuteranopia

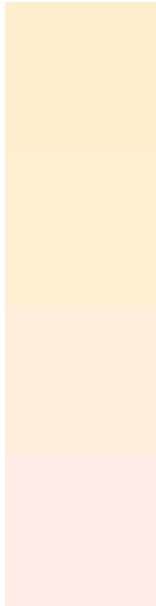
86.7970, 0.3313, 0.3379



Tritanopia

86.8210, 0.3187, 0.3164

Trichromacy



Original Color

86.8653, 0.3448, 0.3610

Protanomaly

87.1206, 0.3425, 0.3611

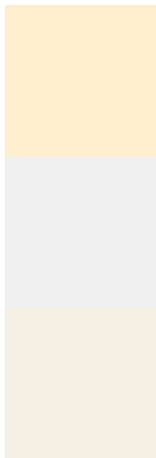
Deuteranomaly

86.9428, 0.3364, 0.3469

Tritanomaly

86.5029, 0.3282, 0.3320

Monochromacy



Original Color

86.8653, 0.3448, 0.3610

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.6915, 0.3242, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8653, 0.3448, 0.3610 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, 238, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 206)  
}
```

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, 238, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 206) }
```

Border

The CSS property to change the border of an element to Yxy 86.8653, 0.3448, 0.3610 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, 238, 206) }
```

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

```
.border{ border-color:rgb(255, 238, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8653, 0.3448, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 206) }
```

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

```
.background{ background-color: rgb(255,  
238, 206) }
```

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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