

Converting Colors

$Y_{xy}(90.0406, 0.3589, 0.3577)$

Have a look what the booklet for
Yxy(90.0406, 0.3589, 0.3577)
contains.

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Color

Yxy(86.3334, 0.3443, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDCF
RGB	255, 237, 207
RGB Percent	100%, 93%, 81%
CMY	0.0000, 0.0706, 0.1881
CMYK	0.00, 0.07, 0.19, 0.00
HSL	37°, 100%, 91%
HSV	37°, 19%, 100%
XYZ	82.7983, 86.3334, 71.3513
YIQ	238.9620, 20.3580, -5.5140

Conversions

Conversions Part 2

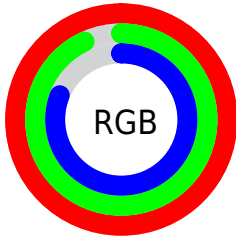
Format	Color
R _Y B	236, 255, 207
Decimal	16772559
CIE Lab	94.45, 1.43, 16.72
CIE LCh	94, 16.782, 85.116
Yxy	86.3334, 0.3443, 0.3590
Android (android.graphics.Color)	4294962639 (0xFFFFEDCF)
YUV	238.9620, -15.7573, 14.0653
Hunter-Lab	92.9158, -3.5392, 19.5114

Details

The Yxy color **86.3334, 0.3443, 0.3590** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.3618, 0.2825, 0.2971**, and the grayscale version is **86.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3534, 0.3510, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **79.7868, 0.3637, 0.3758**, and if you desaturate by 10%, it is **93.3729, 0.3267, 0.3427**.

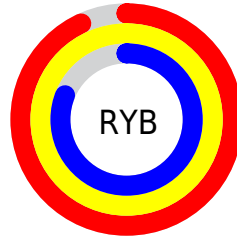
Distribution



Red (100%)

Green (93%)

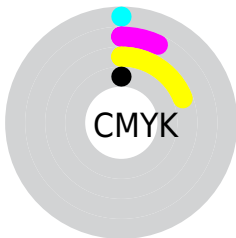
Blue (81%)



Red (93%)

Yellow (100%)

Blue (81%)

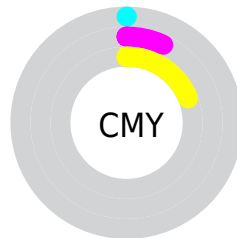


Cyan (0%)

Magenta (7%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3334, 0.3443, 0.3590 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 86.3334, 0.3443, 0.3590 by changing the saturation by 10% instead.


 86.3334, 0.3443,
0.3590

 86.3334, 0.3443,
0.3590

516.0299, 0.3301,
0.3456

 64.9437, 0.3474,
0.3619


142.2346, 0.3395,
0.3544

 47.4154, 0.3513,
0.3655


177.5150, 0.3376,
0.3526

 33.3642, 0.3560,
0.3700

218.1943, 0.3359,
0.3511

 22.4056, 0.3621,
0.3756

264.6571, 0.3345,
0.3497

 14.1552, 0.3701,
0.3831

317.2876, 0.3332,
0.3485

 8.2287, 0.3811,
0.3932

376.4703, 0.3320,

 4.2416, 0.3972,

0.3474

0.4077

442.5896, 0.3310,
0.3465

■ 1.8096, 0.4271,
0.4350

■ 0.4932, 0.5052,
0.4948

■ 86.3334, 0.3443,
0.3590

■ 86.3334, 0.3443,
0.3590

■ 79.7868, 0.3637,
0.3758

■ 93.3729, 0.3267,
0.3427

■ 73.7256, 0.3847,
0.3924

100.0000, 0.3127,
0.3290

■ 68.1325, 0.4069,
0.4081

■ 62.9911, 0.4297,
0.4219

■ 58.2838, 0.4520,
0.4326

■ 53.9911, 0.4727,
0.4390

■ 50.0906, 0.4907,
0.4403

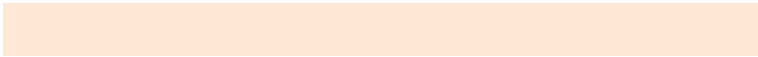
■ 46.5518, 0.5052,
0.4364

■ 46.1509, 0.5069,
0.4357

Harmonies

Analogous

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



86.3334, 0.3506, 0.3474



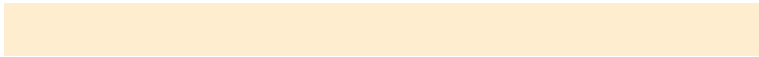
86.3334, 0.3443, 0.3590



86.3334, 0.3295, 0.3627

Triad

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



86.3334, 0.3443, 0.3590



86.3334, 0.2802, 0.3249



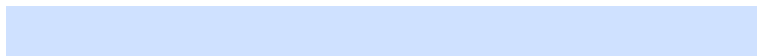
86.3334, 0.3140, 0.3033

Complementary

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



86.3334, 0.3443, 0.3590



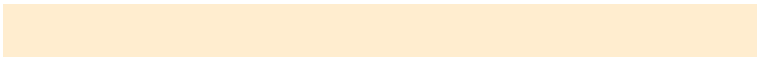
74.3618, 0.2825, 0.2971

Split Complementary

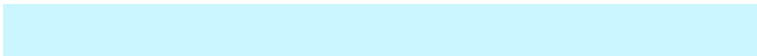
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3334, 0.2954, 0.2972



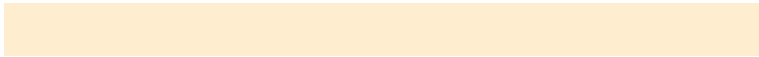
86.3334, 0.3443, 0.3590



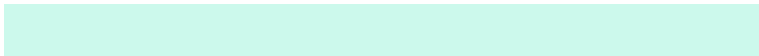
86.3334, 0.2763, 0.3090

Square

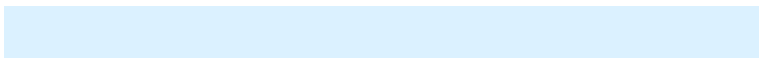
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3334, 0.3443, 0.3590



86.3334, 0.2926, 0.3427



86.3334, 0.2817, 0.2991



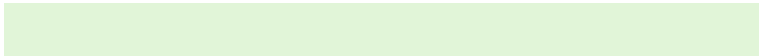
86.3334, 0.3328, 0.3157

Rectangle

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



86.3334, 0.3443, 0.3590



86.3334, 0.3170, 0.3598



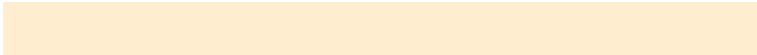
86.3334, 0.2817, 0.2991



86.3334, 0.3075, 0.3005

Sweetspot

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



86.3312, 0.3443, 0.3590



95.4435, 0.3221, 0.3383



71.3607, 0.3360, 0.3105



20.3251, 0.3231, 0.3393



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

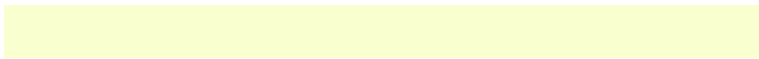
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3312, 0.3443, 0.3590



83.5298, 0.3522, 0.3660



96.2406, 0.3374, 0.3766



19.8776, 0.3279, 0.3438



24.4113, 0.5050, 0.4372



2.5870, 0.4926, 0.4470

Inverse Universe

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



74.3618, 0.2825, 0.2971



69.3360, 0.2754, 0.2890



65.9522, 0.2852, 0.2778



18.4949, 0.2979, 0.3137



8.3807, 0.1663, 0.1188



1.0178, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 86.3334, 0.3443, 0.3590 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 86.3334, 0.3443, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

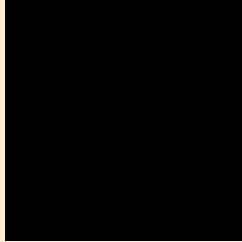
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3334, 0.3443, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 86.3334, 0.3443, 0.3590.

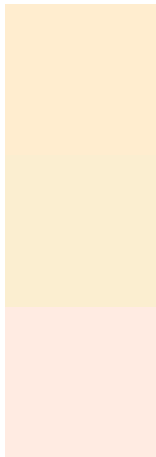


This preview shows how white text looks on a background with the Yxy color 86.3334, 0.3443, 0.3590.

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

86.3334, 0.3443, 0.3590

Protanopia

86.2124, 0.3407, 0.3593

Deuteranopia

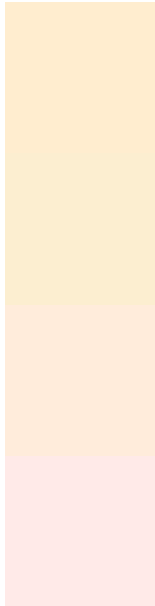
86.1676, 0.3321, 0.3380



Tritanopia

86.1916, 0.3194, 0.3164

Trichromacy



Original Color

86.3334, 0.3443, 0.3590

Protanomaly

86.3986, 0.3414, 0.3592

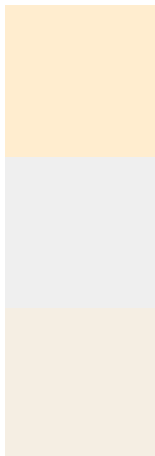
Deuteranomaly

86.3654, 0.3366, 0.3460

Tritanomaly

85.9318, 0.3283, 0.3310

Monochromacy



Original Color

86.3334, 0.3443, 0.3590

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.1076, 0.3243, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3334, 0.3443, 0.3590 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, 237, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 207)  
}
```

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, 237, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 207) }
```

Border

The CSS property to change the border of an element to Yxy 86.3334, 0.3443, 0.3590 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, 237, 207) }
```

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

```
.border{ border-color:rgb(255, 237, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3334, 0.3443, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 207) }
```

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

```
.background{ background-color: rgb(255,  
237, 207) }
```

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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