

Converting Colors

$Y_{xy}(85.7694, 0.3331, 0.3389)$

Have a look what the booklet for
Yxy(85.7694, 0.3331, 0.3389)
contains.

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Color

Yxy(85.5419, 0.3329, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAE1
RGB	255, 234, 225
RGB Percent	100%, 92%, 88%
CMY	0.0000, 0.0823, 0.1177
CMYK	0.00, 0.08, 0.12, 0.00
HSL	18°, 100%, 94%
HSV	18°, 12%, 100%
XYZ	84.2512, 85.5419, 83.2895
YIQ	239.2530, 15.4050, 1.6530

Conversions

Conversions Part 2

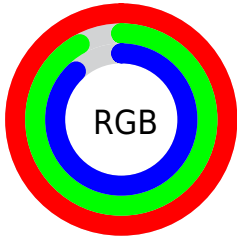
Format	Color
R _Y B	255, 238, 225
Decimal	16771809
CIE Lab	94.12, 5.67, 6.94
CIE LCh	94, 8.962, 50.793
Yxy	85.5419, 0.3329, 0.3380
Android (android.graphics.Color)	4294961889 (0xFFFFEAE1)
YUV	239.2530, -7.0267, 13.8101
Hunter-Lab	92.4889, 0.7461, 11.3495

Details

The Yxy color **85.5419, 0.3329, 0.3380** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1189, 0.2944, 0.3198**, and the grayscale version is **86.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7488, 0.3371, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **74.6083, 0.3536, 0.3462**, and if you desaturate by 10%, it is **97.7123, 0.3155, 0.3303**.

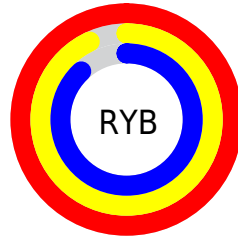
Distribution



Red (100%)

Green (92%)

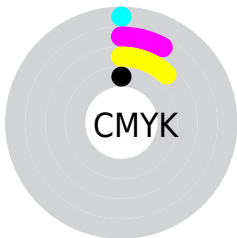
Blue (88%)



Red (100%)

Yellow (93%)

Blue (88%)

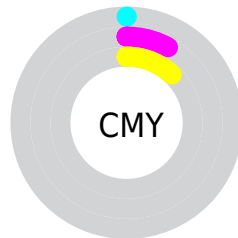


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5419, 0.3329, 0.3380 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 85.5419, 0.3329, 0.3380 by changing the saturation by 10% instead.


 85.5419, 0.3329,
0.3380

 85.5419, 0.3329,
0.3380

513.4195, 0.3238,
0.3340

 64.2892, 0.3349,
0.3389


141.1300, 0.3298,
0.3367

 46.8850, 0.3374,
0.3399


176.2343, 0.3286,
0.3361

 32.9447, 0.3405,
0.3412


216.7246, 0.3275,
0.3357

 22.0841, 0.3445,
0.3429

262.9852, 0.3266,
0.3353

 13.9187, 0.3499,
0.3450

315.4006, 0.3257,
0.3349

 8.0642, 0.3574,
0.3479

374.3552, 0.3250,

 4.1360, 0.3687,

0.3346

0.3522

440.2334, 0.3244,
0.3343

■ 1.7499, 0.3875,
0.3587

■ 0.4557, 0.5506,
0.4391

■ 85.5419, 0.3329,
0.3380

■ 85.5419, 0.3329,
0.3380

■ 74.6083, 0.3536,
0.3462

■ 97.7123, 0.3155,
0.3303

■ 64.8615, 0.3780,
0.3546

100.0000, 0.3127,
0.3290

■ 56.2639, 0.4066,
0.3628

■ 48.7715, 0.4392,
0.3703

■ 42.3375, 0.4752,
0.3759

■ 36.9116, 0.5127,
0.3785

■ 32.4387, 0.5487,
0.3769

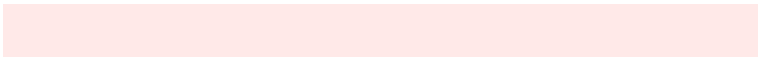
■ 28.8576, 0.5795,
0.3704

■ 26.5241, 0.5993,
0.3623

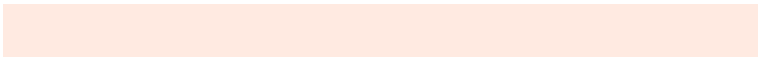
Harmonies

Analogous

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



85.5419, 0.3299, 0.3293



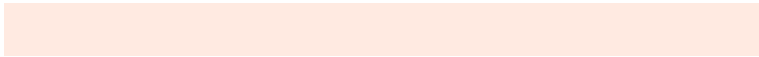
85.5419, 0.3329, 0.3380



85.5419, 0.3304, 0.3445

Triad

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



85.5419, 0.3329, 0.3380



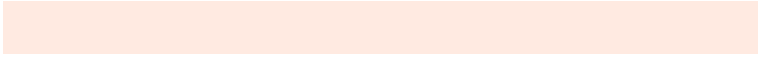
85.5419, 0.3032, 0.3375



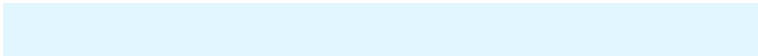
85.5419, 0.3022, 0.3116

Complementary

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



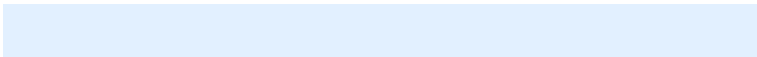
85.5419, 0.3329, 0.3380



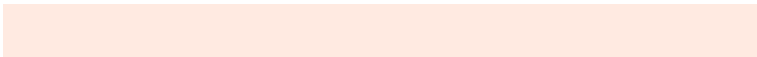
89.1189, 0.2944, 0.3198

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.



85.5419, 0.2952, 0.3135



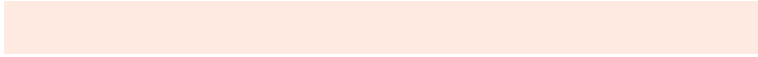
85.5419, 0.3329, 0.3380



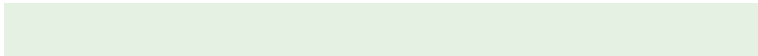
85.5419, 0.2959, 0.3284

Square

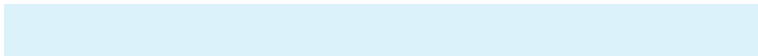
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5419, 0.3329, 0.3380



85.5419, 0.3132, 0.3444



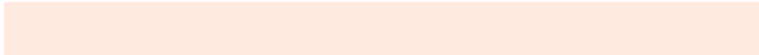
85.5419, 0.2930, 0.3195



85.5419, 0.3120, 0.3143

Rectangle

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



85.5419, 0.3329, 0.3380



85.5419, 0.3260, 0.3467



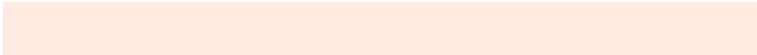
85.5419, 0.2930, 0.3195



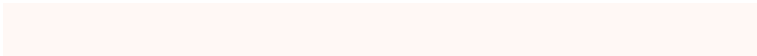
85.5419, 0.2994, 0.3117

Sweetspot

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



85.5454, 0.3329, 0.3380



94.8937, 0.3191, 0.3320



81.7531, 0.3199, 0.3085



20.1104, 0.3204, 0.3325



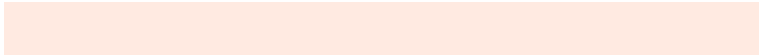
0.0000, 0.0000, 0.0000



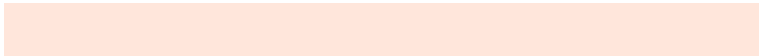
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5454, 0.3329, 0.3380



83.0041, 0.3372, 0.3398



94.4441, 0.3311, 0.3525



18.8775, 0.3287, 0.3362



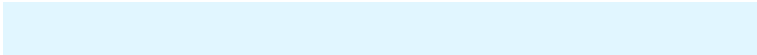
14.0863, 0.5964, 0.3647



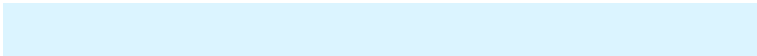
1.5532, 0.5743, 0.3822

Inverse Universe

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



89.1189, 0.2944, 0.3198



87.1869, 0.2910, 0.3180



80.3673, 0.2941, 0.3044



19.5049, 0.2980, 0.3217



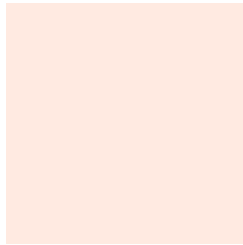
20.7495, 0.1966, 0.2276



2.2121, 0.2002, 0.2405

Previews

White Background



This preview shows how the Yxy color 85.5419, 0.3329, 0.3380 looks on a white background.

Color Contrast Check

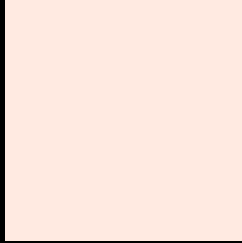
Large Text (above 18pt) WCAG AA × Fail

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 85.5419, 0.3329, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

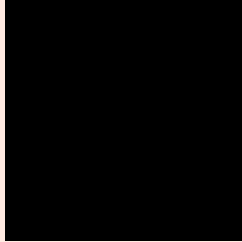
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

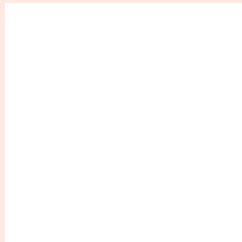
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5419, 0.3329, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 85.5419, 0.3329, 0.3380.

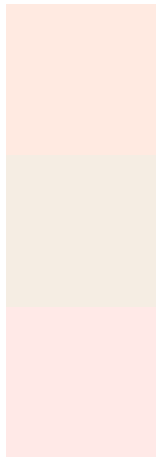


This preview shows how white text looks on a background with the Yxy color 85.5419, 0.3329, 0.3380.

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

85.5419, 0.3329, 0.3380

Protanopia

85.5269, 0.3244, 0.3391

Deuteranopia

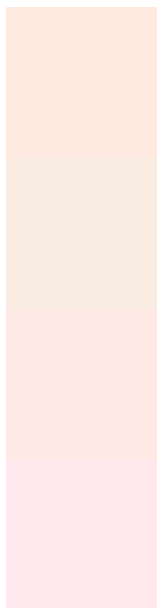
85.3073, 0.3291, 0.3310



Tritanopia

85.6886, 0.3188, 0.3144

Trichromacy



Original Color

85.5419, 0.3329, 0.3380

Protanomaly

85.6216, 0.3278, 0.3391

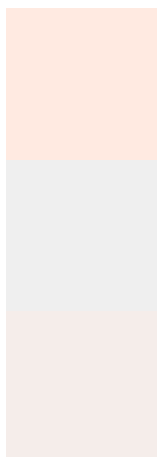
Deuteranomaly

85.1950, 0.3304, 0.3330

Tritanomaly

85.7698, 0.3239, 0.3232

Monochromacy



Original Color

85.5419, 0.3329, 0.3380

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.9214, 0.3199, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5419, 0.3329, 0.3380 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, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 225)  
}
```

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, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 85.5419, 0.3329, 0.3380 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, 234, 225) }
```

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

```
.border{ border-color:rgb(255, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5419, 0.3329, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 225) }
```

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

```
.background{ background-color: rgb(255,  
234, 225) }
```

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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