

Converting Colors

$Y_{xy}(83.4416, 0.3412, 0.3575)$

Have a look what the booklet for
Yxy(83.4416, 0.3412, 0.3575)
contains.

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Color

Yxy(83.4416, 0.3412, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	F9EACE
RGB	249, 234, 206
RGB Percent	98%, 92%, 81%
CMY	0.0235, 0.0824, 0.1920
CMYK	0.00, 0.06, 0.17, 0.02
HSL	39°, 78%, 89%
HSV	39°, 17%, 98%
XYZ	79.6371, 83.4416, 70.3243
YIQ	235.2930, 17.9280, -5.5280

Conversions

Conversions Part 2

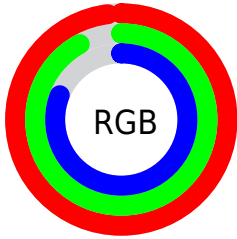
Format	Color
R _Y B	229, 249, 206
Decimal	16378574
CIE Lab	93.21, 0.65, 15.41
CIE LCh	93, 15.422, 87.589
Yxy	83.4416, 0.3412, 0.3575
Android (android.graphics.Color)	4294568654 (0xFFFF9EACE)
YUV	235.2930, -14.4414, 12.0210
Hunter-Lab	91.3464, -4.2372, 18.2972

Details

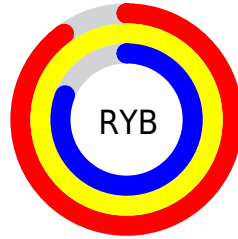
The Yxy color $83.4416, 0.3412, 0.3575$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $71.7083, 0.2851, 0.2988$, and the grayscale version is $83.4197, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.3143, 0.3471, 0.3631$ is the 20% darker color. If you saturate the color by 10%, you get $77.4963, 0.3600, 0.3748$, and if you desaturate by 10%, it is $89.8293, 0.3241, 0.3407$.

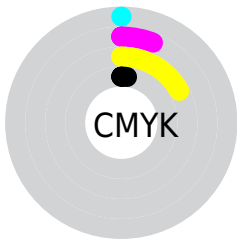
Distribution



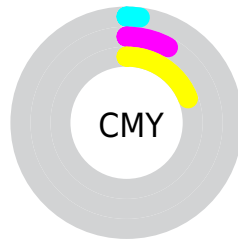
- Red (98%)
- Green (92%)
- Blue (81%)



- Red (90%)
- Yellow (98%)
- Blue (81%)



- Cyan (0%)
- Magenta (6%)
- Yellow (17%)
- Black (2%)





- Cyan (2%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4416, 0.3412, 0.3575 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 83.4416, 0.3412, 0.3575 by changing the saturation by 10% instead.


 83.4416, 0.3412,
0.3575

 83.4416, 0.3412,
0.3575


506.4571, 0.3283,
0.3447

 62.5545, 0.3441,
0.3603

138.1938, 0.3368,
0.3531

 45.4809, 0.3476,
0.3638


172.8277, 0.3351,
0.3514

 31.8364, 0.3519,
0.3682


212.8126, 0.3336,
0.3499

 21.2366, 0.3575,
0.3737

258.5330, 0.3323,
0.3486

 13.2970, 0.3650,
0.3811

310.3733, 0.3311,
0.3474

 7.6334, 0.3753,
0.3912

368.7178, 0.3301,

 3.8613, 0.3904,

0.3464

0.4061

433.9509, 0.3292,
0.3455

■ 1.5963, 0.4219,
0.4371

■ 0.3551, 0.4988,
0.5012

■ 83.4416, 0.3412,
0.3575

■ 83.4416, 0.3412,
0.3575

■ 77.4963, 0.3600,
0.3748

■ 89.8293, 0.3241,
0.3407

■ 71.9699, 0.3803,
0.3921

■ 96.6058, 0.3091,
0.3255

■ 66.8528, 0.4017,
0.4086

■ 98.8821, 0.3090,
0.3290

■ 62.1307, 0.4236,
0.4233

■ 57.7882, 0.4450,
0.4351

■ 53.8081, 0.4648,
0.4428

■ 50.1707, 0.4820,
0.4454

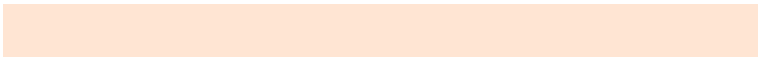
■ 46.8518, 0.4959,
0.4429

■ 45.9882, 0.4994,
0.4417

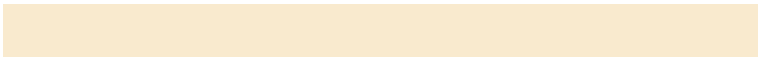
Harmonies

Analogous

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



83.4416, 0.3478, 0.3473



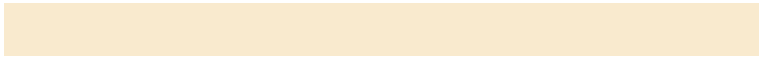
83.4416, 0.3412, 0.3575



83.4416, 0.3270, 0.3602

Triad

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



83.4416, 0.3412, 0.3575



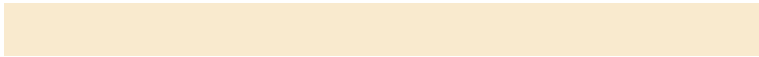
83.4416, 0.2818, 0.3239



83.4416, 0.3154, 0.3058

Complementary

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



83.4416, 0.3412, 0.3575



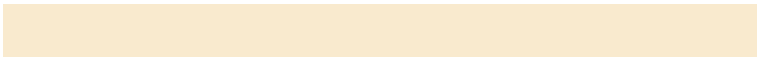
71.7083, 0.2851, 0.2988

Split Complementary

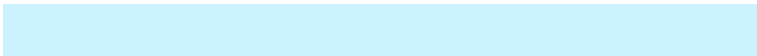
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4416, 0.2979, 0.2996



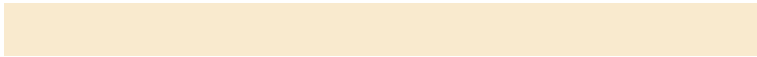
83.4416, 0.3412, 0.3575



83.4416, 0.2789, 0.3094

Square

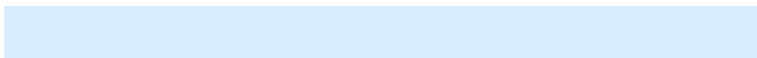
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4416, 0.3412, 0.3575



83.4416, 0.2928, 0.3404



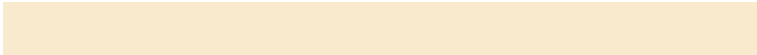
83.4416, 0.2847, 0.3007



83.4416, 0.3327, 0.3178

Rectangle

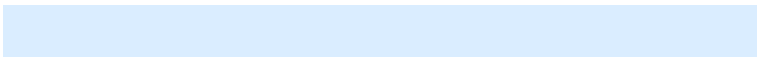
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4416, 0.3412, 0.3575



83.4416, 0.3153, 0.3570



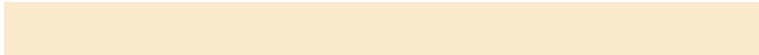
83.4416, 0.2847, 0.3007



83.4416, 0.3094, 0.3030

Sweetspot

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



83.4453, 0.3412, 0.3575



96.3966, 0.3205, 0.3370



69.5280, 0.3347, 0.3136



20.5265, 0.3216, 0.3382



0.0000, 0.0000, 0.0000



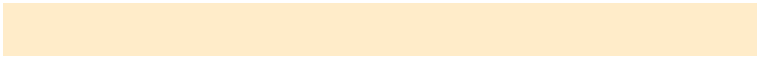
21.4041, 0.3127, 0.3290

Same Dimension

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



83.4453, 0.3412, 0.3575



85.6570, 0.3481, 0.3640



91.1952, 0.3344, 0.3726



19.1102, 0.3278, 0.3444



24.8904, 0.4977, 0.4430



2.5038, 0.4859, 0.4524

Inverse Universe

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



71.7083, 0.2851, 0.2988



70.9697, 0.2787, 0.2913



65.0707, 0.2887, 0.2826



17.6348, 0.2979, 0.3131



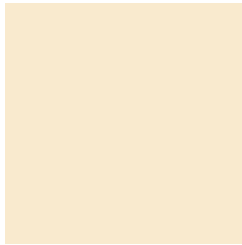
7.5489, 0.1644, 0.1118



0.8895, 0.1710, 0.1354

Previews

White Background



This preview shows how the Yxy color 83.4416, 0.3412, 0.3575 looks on a white background.

Color Contrast Check

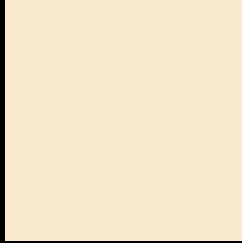
Large Text (above 18pt) WCAG AA × Fail

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 83.4416, 0.3412, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

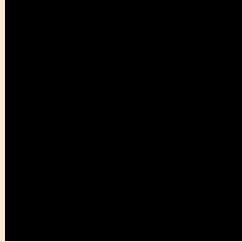
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

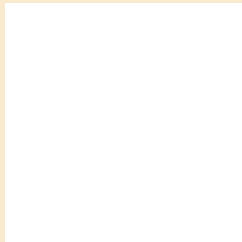
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4416, 0.3412, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 83.4416, 0.3412, 0.3575.

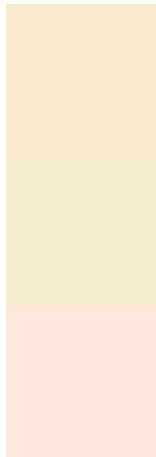


This preview shows how white text looks on a background with the Yxy color 83.4416, 0.3412, 0.3575.

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

83.4416, 0.3412, 0.3575

Protanopia

83.4657, 0.3389, 0.3587

Deuteranopia

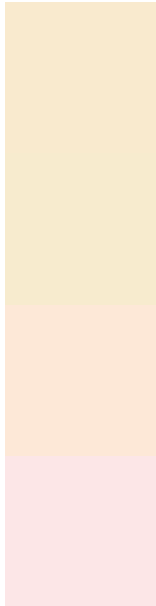
83.5791, 0.3366, 0.3400



Tritanopia

83.2115, 0.3190, 0.3114

Trichromacy



Original Color

83.4416, 0.3412, 0.3575

Protanomaly

83.6470, 0.3396, 0.3587

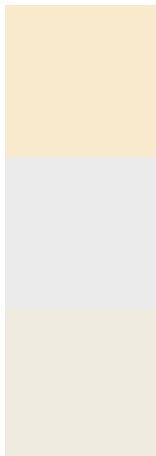
Deuteranomaly

83.5022, 0.3384, 0.3461

Tritanomaly

83.0586, 0.3273, 0.3280

Monochromacy



Original Color

83.4416, 0.3412, 0.3575

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3237, 0.3230, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4416, 0.3412, 0.3575 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(249, 234, 206)` looks like.

```
.text, #text, p{  
    color:rgb(249, 234, 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(249, 234, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 234, 206) }
```

Border

The CSS property to change the border of an element to Yxy 83.4416, 0.3412, 0.3575 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(249, 234, 206) }
```

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

```
.border{ border-color:rgb(249, 234, 206) }
```

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

Here you see how a box with a 4 pixel rgb(249, 234, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 234, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 234, 206);  
box-shadow:4px 4px 4px 4px rgb(249, 234,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4416, 0.3412, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 234, 206) }
```

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

```
.background{ background-color: rgb(249,  
234, 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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