

Converting Colors

$Yxy(89.5516, 0.3427, 0.3786)$

Have a look what the booklet for
Yxy(89.5516, 0.3427, 0.3786)
contains.

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Color

Yxy(89.5356, 0.3428, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	F6F6C5
RGB	246, 246, 197
RGB Percent	96%, 96%, 77%
CMY	0.0352, 0.0353, 0.2274
CMYK	0.00, 0.00, 0.20, 0.04
HSL	60°, 73%, 87%
HSV	60°, 20%, 96%
XYZ	81.0478, 89.5356, 65.8454
YIQ	240.4140, 15.7290, -15.2390

Conversions

Conversions Part 2

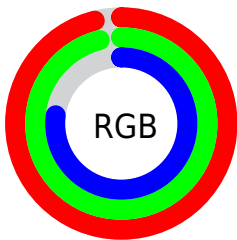
Format	Color
RYB	197, 246, 197
Decimal	16185029
CIELab	95.80, -7.78, 23.64
CIELCh	96, 24.882, 108.209
Yxy	89.5356, 0.3428, 0.3787
Android (android.graphics.Color)	4294375109 (0xFFFF6F6C5)
YUV	240.4140, -21.4031, 4.8989
Hunter-Lab	94.6233, -12.6998, 24.9782

Details

The Yxy color **89.5356, 0.3428, 0.3787** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.4829, 0.2794, 0.2739**, and the grayscale version is **87.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **49.6289, 0.3487, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **88.4939, 0.3580, 0.4038**, and if you desaturate by 10%, it is **90.7693, 0.3275, 0.3535**.

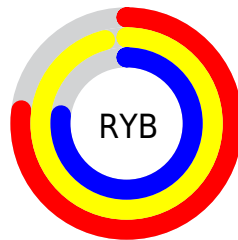
Distribution



Red (96%)

Green (96%)

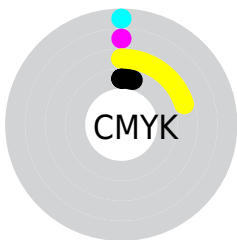
Blue (77%)



Red (77%)

Yellow (96%)

Blue (77%)

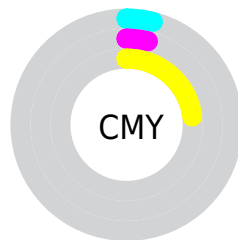


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5356, 0.3428, 0.3787 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 89.5356, 0.3428, 0.3787 by changing the saturation by 10% instead.

 89.5356, 0.3428,
0.3787

 89.5356, 0.3428,
0.3787


526.5190, 0.3296,
0.3563

 67.5955, 0.3456,
0.3837


146.6932, 0.3384,
0.3710

 49.5688, 0.3490,
0.3897

182.6794, 0.3366,
0.3680

 35.0709, 0.3532,
0.3973


224.1166, 0.3351,
0.3654

 23.7175, 0.3584,
0.4070

271.3890, 0.3337,
0.3631

 15.1242, 0.3650,
0.4197

324.8810, 0.3325,
0.3611

 8.9066, 0.3736,
0.4371

384.9771, 0.3315,

 4.6803, 0.3849,

0.3593

0.4623

452.0617, 0.3305,
0.3577

■ 2.0609, 0.4154,
0.5208

■ 0.6425, 0.3958,
0.6042

■ 89.5356, 0.3428,
0.3787

■ 89.5356, 0.3428,
0.3787

■ 88.4939, 0.3580,
0.4038

■ 90.7693, 0.3275,
0.3535

■ 87.6235, 0.3726,
0.4280


■ 92.1913, 0.3126,
0.3288


■ 86.9184, 0.3860,
0.4501


■ 92.7517, 0.3074,
0.3203

■ 86.3683, 0.3976,
0.4692


■ 92.7599, 0.3074,
0.3203

 85.9613, 0.4069,
0.4845


 92.7680, 0.3074,
0.3203

 85.6839, 0.4136,
0.4955


 92.7761, 0.3074,
0.3203

 85.5199, 0.4176,
0.5022

 92.7842, 0.3074,
0.3203

 85.4429, 0.4194,
0.5052

 92.7923, 0.3074,
0.3203

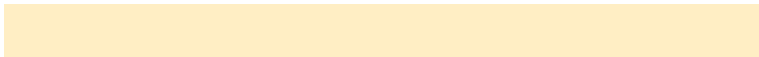
 85.4424, 0.4194,
0.5052

 92.8005, 0.3074,
0.3204

Harmonies

Analogous

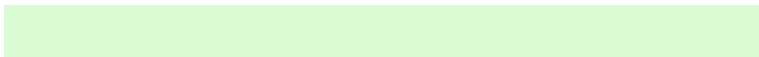
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5356, 0.3624, 0.3694



89.5356, 0.3428, 0.3787



89.5356, 0.3157, 0.3737

Triad

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



89.5356, 0.3428, 0.3787



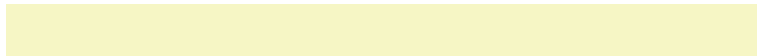
89.5356, 0.2601, 0.3039



89.5356, 0.3360, 0.3049

Complementary

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



89.5356, 0.3428, 0.3787



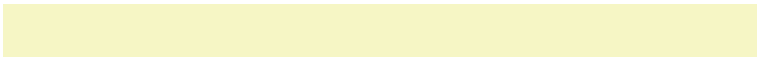
58.4829, 0.2794, 0.2739

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.



89.5356, 0.3077, 0.2891



89.5356, 0.3428, 0.3787



89.5356, 0.2648, 0.2876

Square

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



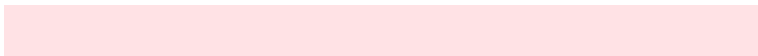
89.5356, 0.3428, 0.3787



89.5356, 0.2686, 0.3286



89.5356, 0.2819, 0.2827



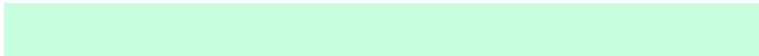
89.5356, 0.3586, 0.3268

Rectangle

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



89.5356, 0.3428, 0.3787



89.5356, 0.2972, 0.3623



89.5356, 0.2819, 0.2827



89.5356, 0.3268, 0.2988

Sweetspot

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



89.5396, 0.3428, 0.3787



99.0482, 0.3216, 0.3437



63.6093, 0.3517, 0.3282



21.1792, 0.3226, 0.3453



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.



89.5396, 0.3428, 0.3787



96.6449, 0.3491, 0.3891



85.5418, 0.3267, 0.3814



19.3120, 0.3269, 0.3524



45.5964, 0.4194, 0.5052



4.0080, 0.4194, 0.5052

Inverse Universe

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



58.4829, 0.2794, 0.2739



57.1723, 0.2715, 0.2608



61.9237, 0.2963, 0.2765



15.9282, 0.2979, 0.3045



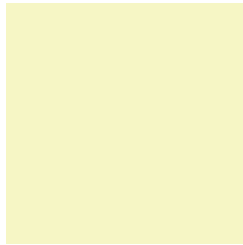
3.5537, 0.1500, 0.0600



0.3128, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 89.5356, 0.3428, 0.3787 looks on a white background.

Color Contrast Check

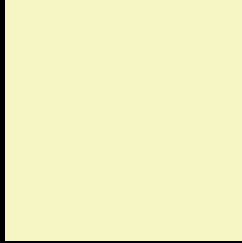
Large Text (above 18pt) WCAG AA × Fail

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 89.5356, 0.3428, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

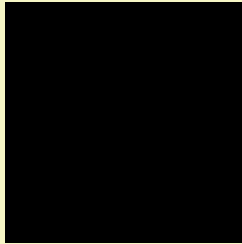
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

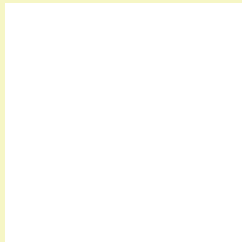
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5356, 0.3428, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 89.5356, 0.3428, 0.3787.

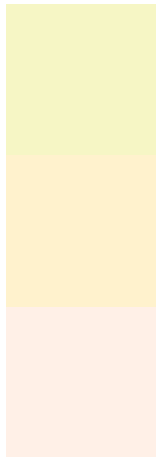


This preview shows how white text looks on a background with the Yxy color 89.5356, 0.3428, 0.3787.

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

89.5356, 0.3428, 0.3787

Protanopia

89.1720, 0.3447, 0.3659

Deuteranopia

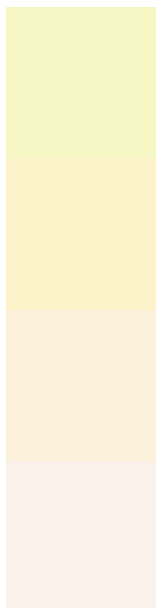
89.3497, 0.3283, 0.3379



Tritanopia

89.2517, 0.3122, 0.3126

Trichromacy



Original Color

89.5356, 0.3428, 0.3787

Protanomaly

89.0609, 0.3443, 0.3701

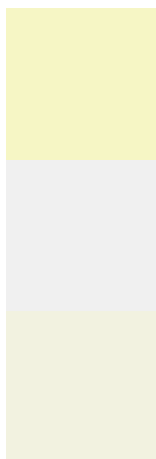
Deuteranomaly

89.3142, 0.3337, 0.3519

Tritanomaly

89.1751, 0.3230, 0.3359

Monochromacy



Original Color

89.5356, 0.3428, 0.3787

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.7633, 0.3238, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5356, 0.3428, 0.3787 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(246, 246, 197)` looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 197)  
}
```

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(246, 246, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 197) }
```

Border

The CSS property to change the border of an element to Yxy 89.5356, 0.3428, 0.3787 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(246, 246, 197) }
```

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

```
.border{ border-color:rgb(246, 246, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 246, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 246, 197); box-shadow:4px 4px 4px 4px rgb(246, 246, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5356, 0.3428, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 197) }
```

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

```
.background{ background-color: rgb(246,  
246, 197) }
```

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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