

Converting Colors

$Yxy(89.4941, 0.3402, 0.3757)$

Have a look what the booklet for
Yxy(89.4941, 0.3402, 0.3757)
contains.

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Color

Yxy(89.4941, 0.3402, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	F5F6C8
RGB	245, 246, 200
RGB Percent	96%, 96%, 78%
CMY	0.0393, 0.0353, 0.2155
CMYK	0.00, 0.00, 0.19, 0.04
HSL	61°, 72%, 87%
HSV	61°, 19%, 96%
XYZ	81.0378, 89.4941, 67.6744
YIQ	240.4570, 14.1700, -14.5180

Conversions

Conversions Part 2

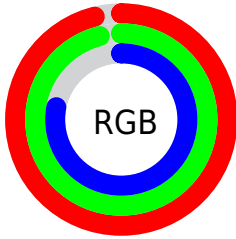
Format	Color
R _Y B	200, 246, 201
Decimal	16119496
CIE Lab	95.79, -7.72, 22.05
CIE LCh	96, 23.367, 109.293
Yxy	89.4941, 0.3402, 0.3757
Android (android.graphics.Color)	4294309576 (0xFFFF5F6C8)
YUV	240.4570, -19.9453, 3.9842
Hunter-Lab	94.6013, -12.6449, 23.8070

Details

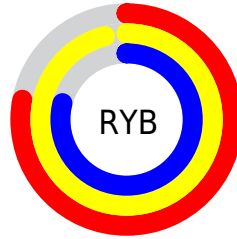
The Yxy color **89.4941, 0.3402, 0.3757** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.4118, 0.2824, 0.2778**, and the grayscale version is **87.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5936, 0.3454, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **88.3403, 0.3550, 0.4011**, and if you desaturate by 10%, it is **90.8412, 0.3253, 0.3504**.

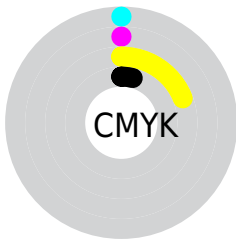
Distribution



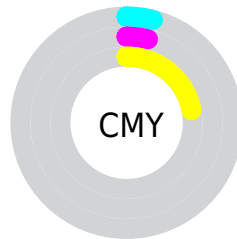
- Red (96%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (79%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4941, 0.3402, 0.3757 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 89.4941, 0.3402, 0.3757 by changing the saturation by 10% instead.

 89.4941, 0.3402,
0.3757

 89.4941, 0.3402,
0.3757


526.3838, 0.3282,
0.3546

 67.5611, 0.3428,
0.3804

146.6355, 0.3361,
0.3685

 49.5408, 0.3459,
0.3861


182.6127, 0.3345,
0.3657

 35.0487, 0.3497,
0.3932

224.0401, 0.3331,
0.3632

 23.7004, 0.3545,
0.4023

271.3021, 0.3319,
0.3611

 15.1115, 0.3606,
0.4144

324.7830, 0.3308,
0.3592

 8.8977, 0.3686,
0.4310

384.8674, 0.3298,


 4.6745, 0.3793,

0.3575

0.4551

451.9395, 0.3289,
0.3560

 2.0576, 0.4046,
0.5066


 0.6406, 0.3962,
0.6038

 89.4941, 0.3402,
0.3757

 89.4941, 0.3402,
0.3757

 88.3403, 0.3550,
0.4011

 90.8412, 0.3253,
0.3504


 87.3592, 0.3693,
0.4256

 92.3779, 0.3108,
0.3258


 86.5450, 0.3825,
0.4484

 92.8418, 0.3078,
0.3203

 85.8873, 0.3939,
0.4684


 92.9411, 0.3082,
0.3203

 85.3745, 0.4031,
0.4847


 93.0406, 0.3085,
0.3203


 84.9933, 0.4097,
0.4967

 93.1405, 0.3088,
0.3203

 84.7281, 0.4137,
0.5043

 93.2406, 0.3092,
0.3203

 84.5560, 0.4153,
0.5080

 93.3410, 0.3095,
0.3203

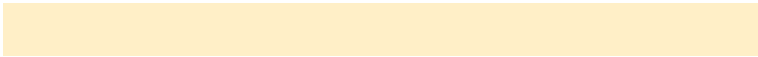
 84.5363, 0.4154,
0.5084

 93.4418, 0.3099,
0.3203

Harmonies

Analogous

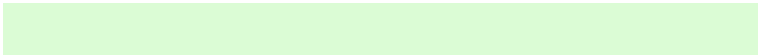
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4941, 0.3589, 0.3676



89.4941, 0.3402, 0.3757



89.4941, 0.3146, 0.3704

Triad

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



89.4941, 0.3402, 0.3757



89.4941, 0.2631, 0.3048



89.4941, 0.3356, 0.3070

Complementary

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



89.4941, 0.3402, 0.3757



60.4118, 0.2824, 0.2778

Split Complementary

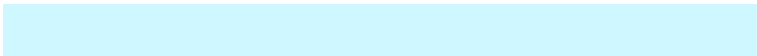
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4941, 0.3090, 0.2918



89.4941, 0.3402, 0.3757



89.4941, 0.2680, 0.2898

Square

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



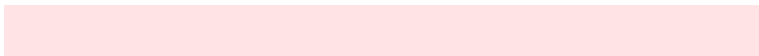
89.4941, 0.3402, 0.3757



89.4941, 0.2707, 0.3278



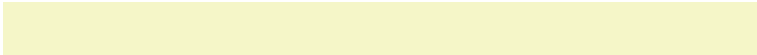
89.4941, 0.2845, 0.2854



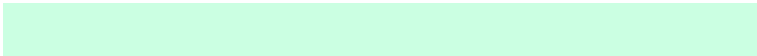
89.4941, 0.3564, 0.3278

Rectangle

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



89.4941, 0.3402, 0.3757



89.4941, 0.2973, 0.3595



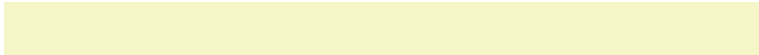
89.4941, 0.2845, 0.2854



89.4941, 0.3270, 0.3011

Sweetspot

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



89.4981, 0.3402, 0.3757



98.9891, 0.3214, 0.3437



65.4528, 0.3492, 0.3299



21.1652, 0.3224, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

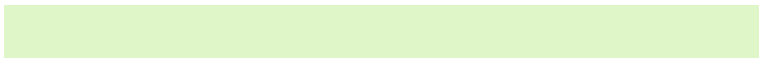
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4981, 0.3402, 0.3757



96.6634, 0.3452, 0.3843



85.6589, 0.3248, 0.3781



19.2937, 0.3265, 0.3524



45.1281, 0.4155, 0.5083



3.9722, 0.4160, 0.5079

Inverse Universe

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



60.4118, 0.2824, 0.2778



60.3203, 0.2762, 0.2674



63.7991, 0.2985, 0.2802



15.9443, 0.2982, 0.3045



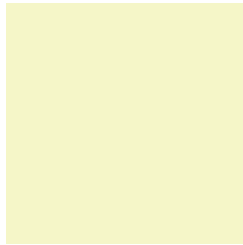
3.5782, 0.1507, 0.0604



0.3206, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 89.4941, 0.3402, 0.3757 looks on a white background.

Color Contrast Check

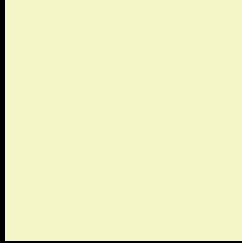
Large Text (above 18pt) WCAG AA × Fail

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 89.4941, 0.3402, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

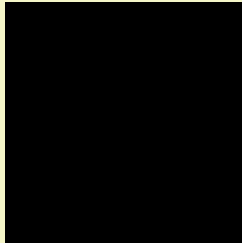
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.4941, 0.3402, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 89.4941, 0.3402, 0.3757.

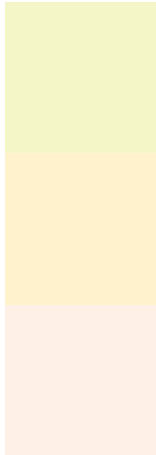


This preview shows how white text looks on a background with the Yxy color 89.4941, 0.3402, 0.3757.

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

89.4941, 0.3402, 0.3757

Protanopia

89.1720, 0.3447, 0.3659

Deuteranopia

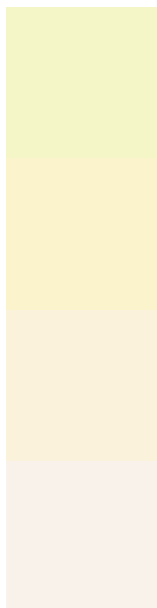
89.3497, 0.3283, 0.3379



Tritanopia

89.4622, 0.3108, 0.3135

Trichromacy



Original Color

89.4941, 0.3402, 0.3757

Protanomaly

88.9222, 0.3430, 0.3692

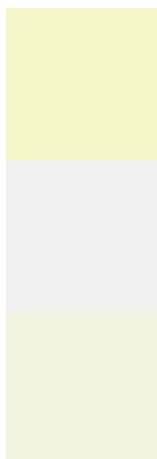
Deuteranomaly

89.1808, 0.3324, 0.3510

Tritanomaly

89.6422, 0.3216, 0.3359

Monochromacy



Original Color

89.4941, 0.3402, 0.3757

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.8177, 0.3231, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4941, 0.3402, 0.3757 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(245, 246, 200)` looks like.

```
.text, #text, p{  
    color:rgb(245, 246, 200)  
}
```

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(245, 246, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 246, 200) }
```

Border

The CSS property to change the border of an element to Yxy 89.4941, 0.3402, 0.3757 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(245, 246, 200) }
```

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

```
.border{ border-color:rgb(245, 246, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 246, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 246, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 246, 200);  
box-shadow:4px 4px 4px 4px rgb(245, 246,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4941, 0.3402, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 246, 200) }
```

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

```
.background{ background-color: rgb(245,  
246, 200) }
```

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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