

Converting Colors

$Y_{xy}(159.6403, 0.4861, 0.3545)$

Have a look what the booklet for
Yxy(159.6403, 0.4861, 0.3545)
contains.

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Color

Yxy(89.9469, 0.3501, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4C4
RGB	255, 244, 196
RGB Percent	100%, 96%, 77%
CMY	0.0000, 0.0432, 0.2313
CMYK	0.00, 0.04, 0.23, 0.00
HSL	49°, 100%, 88%
HSV	49°, 23%, 100%
XYZ	83.5733, 89.9469, 65.1924
YIQ	241.8170, 21.9640, -12.5960

Conversions

Conversions Part 2

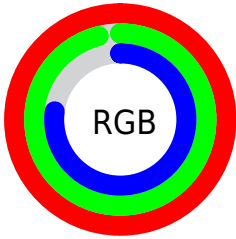
Format	Color
R_{YB}	210, 255, 196
Decimal	16774340
CIE Lab	95.97, -3.64, 24.49
CIE LCh	96, 24.760, 98.448
Yxy	89.9469, 0.3501, 0.3768
Android (android.graphics.Color)	4294964420 (0xFFFFF4C4)
YUV	241.8170, -22.5878, 11.5615
Hunter-Lab	94.8403, -8.6765, 25.6328

Details

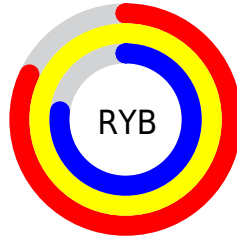
The Yxy color **89.9469, 0.3501, 0.3768** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.6014, 0.2742, 0.2762**, and the grayscale version is **88.8036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **49.9252, 0.3581, 0.3874** is the 20% darker color. If you saturate the color by 10%, you get **86.0457, 0.3676, 0.3979**, and if you desaturate by 10%, it is **94.1037, 0.3332, 0.3557**.

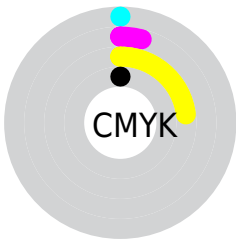
Distribution



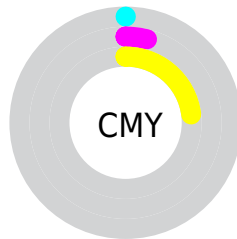
- Red (100%)
- Green (96%)
- Blue (77%)



- Red (82%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9469, 0.3501, 0.3768 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 89.9469, 0.3501, 0.3768 by changing the saturation by 10% instead.


 89.9469, 0.3501,
0.3768

 89.9469, 0.3501,
0.3768

527.8581, 0.3336,
0.3554

 67.9366, 0.3537,
0.3815

147.2646, 0.3445,
0.3695

 49.8462, 0.3580,
0.3872


183.3409, 0.3423,
0.3667

 35.2912, 0.3632,
0.3942


224.8745, 0.3404,
0.3642

 23.8873, 0.3699,
0.4032

272.2500, 0.3387,
0.3620

 15.2500, 0.3784,
0.4148

325.8517, 0.3372,
0.3601

 8.9950, 0.3896,
0.4305

386.0640, 0.3359,

 4.7379, 0.4047,

0.3584

0.4526

453.2714, 0.3347,
0.3568

■ 2.0943, 0.4432,
0.5053

■ 0.6614, 0.4494,
0.5506

■ 89.9469, 0.3501,
0.3768

■ 89.9469, 0.3501,
0.3768

■ 86.0457, 0.3676,
0.3979

■ 94.1037, 0.3332,
0.3557

■ 82.4133, 0.3853,
0.4183

■ 98.5496, 0.3174,
0.3352

■ 79.0304, 0.4026,
0.4369

100.0000, 0.3127,
0.3290

■ 75.8845, 0.4187,
0.4528

■ 72.9615, 0.4329,
0.4649

■ 70.2454, 0.4444,
0.4724

■ 67.7166, 0.4530,
0.4752

■ 66.0687, 0.4575,
0.4749

Harmonies

Analogous

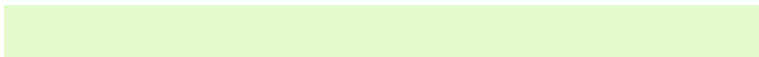
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9469, 0.3657, 0.3638



89.9469, 0.3501, 0.3768



89.9469, 0.3248, 0.3767

Triad

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



89.9469, 0.3501, 0.3768



89.9469, 0.2617, 0.3114



89.9469, 0.3270, 0.2991

Complementary

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



89.9469, 0.3501, 0.3768



63.6014, 0.2742, 0.2762

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.



89.9469, 0.2988, 0.2861



89.9469, 0.3501, 0.3768



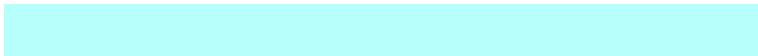
89.9469, 0.2621, 0.2920

Square

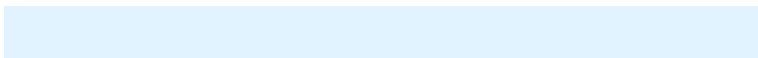
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9469, 0.3501, 0.3768



89.9469, 0.2742, 0.3373



89.9469, 0.2754, 0.2833



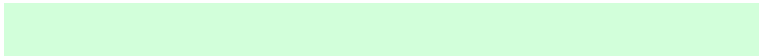
89.9469, 0.3522, 0.3194

Rectangle

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



89.9469, 0.3501, 0.3768



89.9469, 0.3061, 0.3683



89.9469, 0.2754, 0.2833



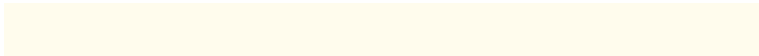
89.9469, 0.3175, 0.2938

Sweetspot

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



89.9390, 0.3501, 0.3768



96.7947, 0.3234, 0.3431



65.2943, 0.3512, 0.3170



20.6603, 0.3244, 0.3443



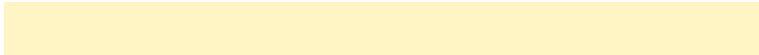
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

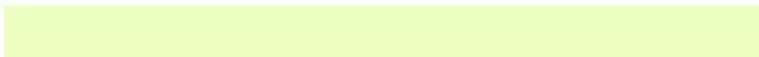
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9390, 0.3501, 0.3768



88.0093, 0.3585, 0.3871



93.5638, 0.3360, 0.3893



20.4799, 0.3274, 0.3482



34.7293, 0.4568, 0.4755



3.5237, 0.4517, 0.4795

Inverse Universe

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



63.6014, 0.2742, 0.2762



57.2637, 0.2651, 0.2632



60.9624, 0.2854, 0.2658



17.9264, 0.2979, 0.3091



5.0173, 0.1548, 0.0773



0.6280, 0.1600, 0.0958

Previews

White Background



This preview shows how the Yxy color 89.9469, 0.3501, 0.3768 looks on a white background.

Color Contrast Check

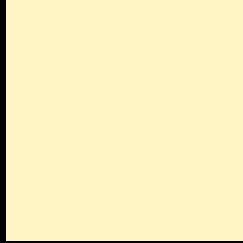
Large Text (above 18pt) WCAG AA × Fail

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 89.9469, 0.3501, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

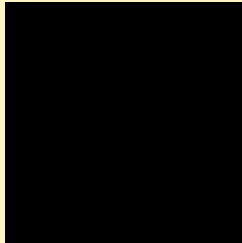
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9469, 0.3501, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 89.9469, 0.3501, 0.3768.



This preview shows how white text looks on a background with the Yxy color 89.9469, 0.3501, 0.3768.

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

89.9469, 0.3501, 0.3768

Protanopia

89.9153, 0.3426, 0.3638

Deuteranopia

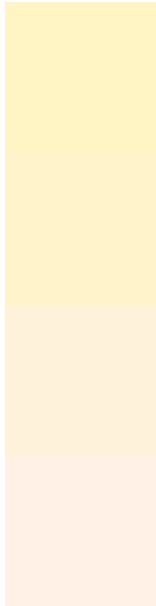
89.9968, 0.3276, 0.3379



Tritanopia

89.8951, 0.3165, 0.3184

Trichromacy



Original Color

89.9469, 0.3501, 0.3768

Protanomaly

89.7208, 0.3452, 0.3678

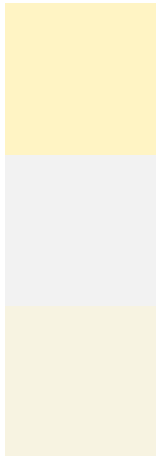
Deuteranomaly

89.8787, 0.3357, 0.3518

Tritanomaly

89.8838, 0.3289, 0.3398

Monochromacy



Original Color

89.9469, 0.3501, 0.3768

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.3116, 0.3264, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9469, 0.3501, 0.3768 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, 244, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 196)  
}
```

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, 244, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 196) }
```

Border

The CSS property to change the border of an element to Yxy 89.9469, 0.3501, 0.3768 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, 244, 196) }
```

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

```
.border{ border-color:rgb(255, 244, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9469, 0.3501, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 196) }
```

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

```
.background{ background-color: rgb(255,  
244, 196) }
```

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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