

Converting Colors

$Y_{xy}(89.7522, 0.3608, 0.3951)$

Have a look what the booklet for
Yxy(89.7522, 0.3608, 0.3951)
contains.

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Color

Yxy(89.8195, 0.3606, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5B3
RGB	255, 245, 179
RGB Percent	100%, 96%, 70%
CMY	0.0000, 0.0392, 0.2981
CMYK	0.00, 0.04, 0.30, 0.00
HSL	52°, 100%, 85%
HSV	52°, 30%, 100%
XYZ	82.0388, 89.8195, 55.6480
YIQ	240.4660, 27.1460, -18.4060

Conversions

Conversions Part 2

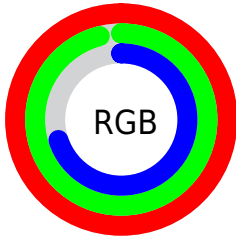
Format	Color
R_{YB}	191, 255, 179
Decimal	16774579
CIE Lab	95.92, -6.36, 33.06
CIE LCh	96, 33.671, 100.887
Yxy	89.8195, 0.3606, 0.3948
Android (android.graphics.Color)	4294964659 (0xFFFFF5B3)
YUV	240.4660, -30.3027, 12.7463
Hunter-Lab	94.7732, -11.3375, 31.5278

Details

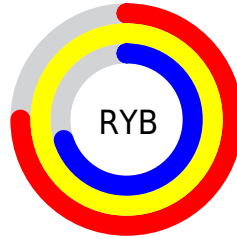
The Yxy color **89.8195, 0.3606, 0.3948** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.1892, 0.2611, 0.2533**, and the grayscale version is **87.7426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **49.7719, 0.3696, 0.4089** is the 20% darker color. If you saturate the color by 10%, you get **86.8651, 0.3773, 0.4166**, and if you desaturate by 10%, it is **92.9934, 0.3439, 0.3724**.

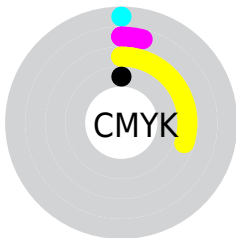
Distribution



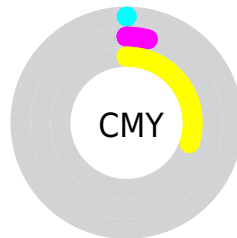
- Red (100%)
- Green (96%)
- Blue (70%)



- Red (75%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (4%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8195, 0.3606, 0.3948 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 89.8195, 0.3606, 0.3948 by changing the saturation by 10% instead.


 89.8195, 0.3606,
0.3948

 89.8195, 0.3606,
0.3948


527.4435, 0.3397,
0.3654

 67.8309, 0.3650,
0.4012


 147.0876, 0.3536,
0.3848

 49.7602, 0.3703,
0.4090


183.1360, 0.3508,
0.3809

 35.2229, 0.3767,
0.4185


224.6398, 0.3484,
0.3774

 23.8346, 0.3846,
0.4305

271.9834, 0.3462,
0.3744

 15.2110, 0.3943,
0.4460

325.5512, 0.3443,
0.3718

 8.9676, 0.4064,
0.4662

385.7275, 0.3426,

 4.7201, 0.4214,

0.3694

0.4936

452.8968, 0.3411,
0.3673

■ 2.0840, 0.4520,
0.5480

■ 0.6556, 0.4165,
0.5835

■ 89.8195, 0.3606,
0.3948

■ 89.8195, 0.3606,
0.3948

■ 86.8651, 0.3773,
0.4166

■ 92.9934, 0.3439,
0.3724

■ 84.1317, 0.3936,
0.4369

■ 96.4088, 0.3277,
0.3501

■ 81.6035, 0.4086,
0.4545

100.0000, 0.3127,
0.3290

■ 79.2672, 0.4216,
0.4686

■ 77.1081, 0.4322,
0.4785

■ 75.1084, 0.4399,
0.4837

■ 73.2396, 0.4450,
0.4848

■ 73.2053, 0.4451,
0.4848

Harmonies

Analogous

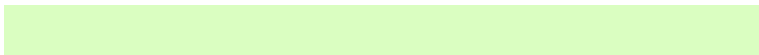
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8195, 0.3836, 0.3772



89.8195, 0.3606, 0.3948



89.8195, 0.3254, 0.3940

Triad

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



89.8195, 0.3606, 0.3948



89.8195, 0.2438, 0.3018



89.8195, 0.3349, 0.2909

Complementary

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



89.8195, 0.3606, 0.3948



53.1892, 0.2611, 0.2533

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.



89.8195, 0.2965, 0.2728



89.8195, 0.3606, 0.3948



89.8195, 0.2458, 0.2772

Square

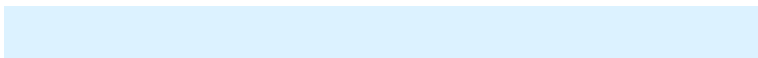
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8195, 0.3606, 0.3948



89.8195, 0.2588, 0.3369



89.8195, 0.2644, 0.2675



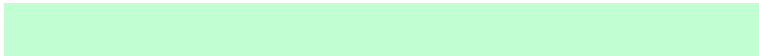
89.8195, 0.3688, 0.3180

Rectangle

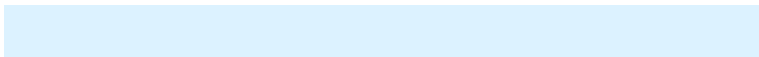
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8195, 0.3606, 0.3948



89.8195, 0.3002, 0.3815



89.8195, 0.2644, 0.2675



89.8195, 0.3220, 0.2836

Sweetspot

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



89.8154, 0.3606, 0.3948



96.6970, 0.3264, 0.3484



57.1706, 0.3709, 0.3186



20.5869, 0.3287, 0.3515



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

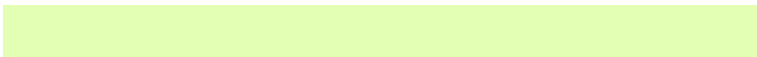
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8154, 0.3606, 0.3948



87.9637, 0.3710, 0.4084



91.1251, 0.3391, 0.4087



20.6588, 0.3272, 0.3495



38.4102, 0.4446, 0.4852



3.8483, 0.4413, 0.4878

Inverse Universe

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



53.1892, 0.2611, 0.2533



45.7974, 0.2488, 0.2345



52.6957, 0.2795, 0.2460



17.7630, 0.2979, 0.3077



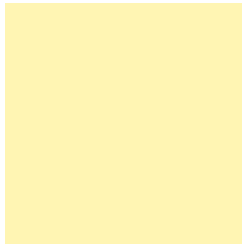
4.4752, 0.1528, 0.0699



0.5495, 0.1571, 0.0855

Previews

White Background



This preview shows how the Yxy color 89.8195, 0.3606, 0.3948 looks on a white background.

Color Contrast Check

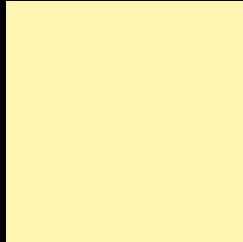
Large Text (above 18pt) WCAG AA × Fail

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 89.8195, 0.3606, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

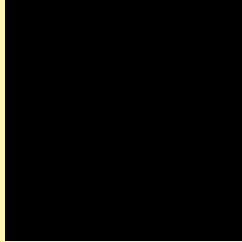
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8195, 0.3606, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 89.8195, 0.3606, 0.3948.

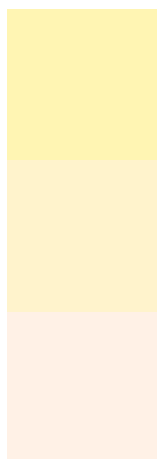


This preview shows how white text looks on a background with the Yxy color 89.8195, 0.3606, 0.3948.

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

89.8195, 0.3606, 0.3948

Protanopia

89.7208, 0.3452, 0.3678

Deuteranopia

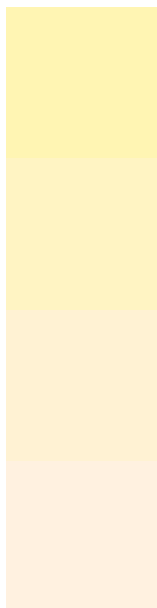
89.8838, 0.3289, 0.3398



Tritanopia

89.8326, 0.3171, 0.3193

Trichromacy



Original Color

89.8195, 0.3606, 0.3948

Protanomaly

89.9015, 0.3507, 0.3779

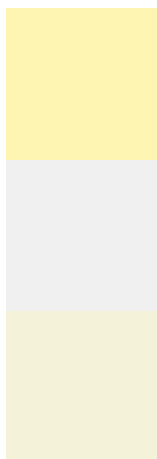
Deuteranomaly

89.4674, 0.3408, 0.3598

Tritanomaly

89.5524, 0.3327, 0.3458

Monochromacy



Original Color

89.8195, 0.3606, 0.3948

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.9787, 0.3295, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8195, 0.3606, 0.3948 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, 245, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 179)  
}
```

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, 245, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 179) }
```

Border

The CSS property to change the border of an element to Yxy 89.8195, 0.3606, 0.3948 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, 245, 179) }
```

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

```
.border{ border-color:rgb(255, 245, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8195, 0.3606, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 179) }
```

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

```
.background{ background-color: rgb(255,  
245, 179) }
```

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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