

Converting Colors

$Y_{xy}(100.0000, 0.3893, 0.3827)$

Have a look what the booklet for
Yxy(100.0000, 0.3893, 0.3827)
contains.

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Color

Yxy(90.0676, 0.3568, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5B9
RGB	255, 245, 185
RGB Percent	100%, 96%, 73%
CMY	0.0000, 0.0392, 0.2745
CMYK	0.00, 0.04, 0.27, 0.00
HSL	51°, 100%, 86%
HSV	51°, 27%, 100%
XYZ	82.6546, 90.0676, 58.9331
YIQ	241.1500, 25.2200, -16.5400

Conversions

Conversions Part 2

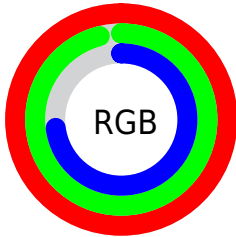
Format	Color
R_{YB}	197, 255, 185
Decimal	16774585
CIE _{Lab}	96.02, -5.62, 30.16
CIE _{LCh}	96, 30.674, 100.548
Yxy	90.0676, 0.3568, 0.3888
Android (android.graphics.Color)	4294964665 (0xFFFFF5B9)
YUV	241.1500, -27.6820, 12.1464
Hunter-Lab	94.9040, -10.6210, 29.6151

Details

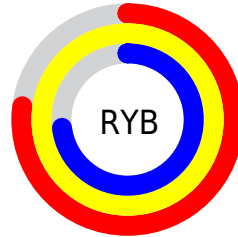
The Yxy color **90.0676, 0.3568, 0.3888** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.5714, 0.2658, 0.2611**, and the grayscale version is **88.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **50.0397, 0.3666, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **86.9035, 0.3738, 0.4106**, and if you desaturate by 10%, it is **93.4702, 0.3401, 0.3666**.

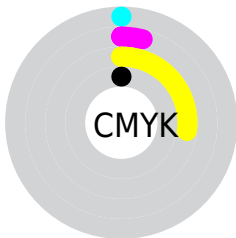
Distribution



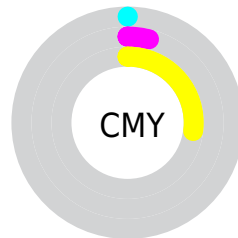
- Red (100%)
- Green (96%)
- Blue (73%)



- Red (77%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0676, 0.3568, 0.3888 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 90.0676, 0.3568, 0.3888 by changing the saturation by 10% instead.


 90.0676, 0.3568,
0.3888

 90.0676, 0.3568,
0.3888


528.2507, 0.3375,
0.3621

 68.0367, 0.3609,
0.3947


 147.4323, 0.3503,
0.3797

 49.9276, 0.3659,
0.4017


183.5349, 0.3478,
0.3761

 35.3559, 0.3719,
0.4105


225.0968, 0.3455,
0.3730

 23.9371, 0.3793,
0.4215

272.5025, 0.3435,
0.3703

 15.2870, 0.3886,
0.4358

326.1364, 0.3418,
0.3679

 9.0211, 0.4005,
0.4547

386.3828, 0.3402,

 4.7549, 0.4155,

0.3657

0.4804

453.6261, 0.3388,
0.3638

2.1042, 0.4563,
0.5437

0.6670, 0.4269,
0.5731

90.0676, 0.3568,
0.3888

90.0676, 0.3568,
0.3888

86.9035, 0.3738,
0.4106

93.4702, 0.3401,
0.3666

83.9644, 0.3904,
0.4311

97.1182, 0.3240,
0.3448

81.2397, 0.4061,
0.4493

100.0000, 0.3127,
0.3290

78.7167, 0.4200,
0.4642

■ 76.3809, 0.4316,
0.4750

■ 74.2152, 0.4404,
0.4811

■ 72.1975, 0.4463,
0.4828

■ 71.6976, 0.4476,
0.4828

Harmonies

Analogous

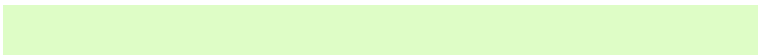
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0676, 0.3774, 0.3729



90.0676, 0.3568, 0.3888



90.0676, 0.3249, 0.3879

Triad

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



90.0676, 0.3568, 0.3888



90.0676, 0.2497, 0.3047



90.0676, 0.3326, 0.2939

Complementary

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



90.0676, 0.3568, 0.3888



56.5714, 0.2658, 0.2611

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.



90.0676, 0.2976, 0.2773



90.0676, 0.3568, 0.3888



90.0676, 0.2514, 0.2820

Square

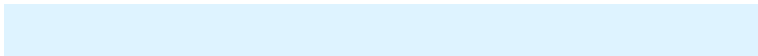
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0676, 0.3568, 0.3888



90.0676, 0.2637, 0.3367



90.0676, 0.2684, 0.2727



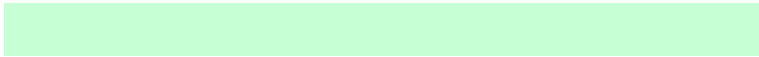
90.0676, 0.3634, 0.3188

Rectangle

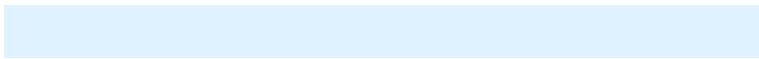
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0676, 0.3568, 0.3888



90.0676, 0.3019, 0.3767



90.0676, 0.2684, 0.2727



90.0676, 0.3209, 0.2872

Sweetspot

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



90.0686, 0.3568, 0.3888



96.9095, 0.3249, 0.3459



59.9265, 0.3637, 0.3182



20.6222, 0.3273, 0.3492



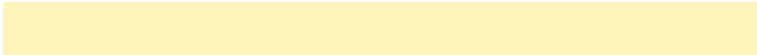
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

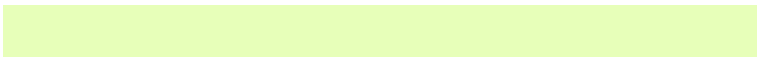
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.0686, 0.3568, 0.3888



88.2821, 0.3662, 0.4010



91.9299, 0.3379, 0.4018



20.6222, 0.3273, 0.3492



37.6331, 0.4470, 0.4833



3.7801, 0.4434, 0.4862

Inverse Universe

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



56.5714, 0.2658, 0.2611



49.6756, 0.2549, 0.2449



55.5528, 0.2818, 0.2531



17.7963, 0.2979, 0.3080



4.5714, 0.1531, 0.0712



0.5650, 0.1577, 0.0876

Previews

White Background



This preview shows how the Yxy color 90.0676, 0.3568, 0.3888 looks on a white background.

Color Contrast Check

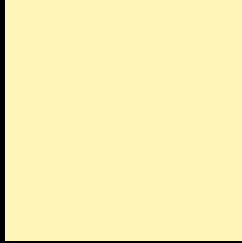
Large Text (above 18pt) WCAG AA × Fail

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 90.0676, 0.3568, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

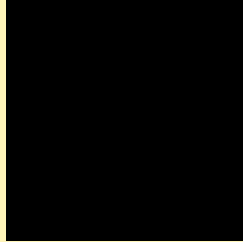
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0676, 0.3568, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 90.0676, 0.3568, 0.3888.

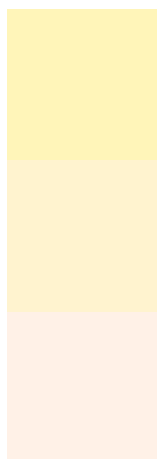


This preview shows how white text looks on a background with the Yxy color 90.0676, 0.3568, 0.3888.

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

90.0676, 0.3568, 0.3888

Protanopia

89.8662, 0.3432, 0.3648

Deuteranopia

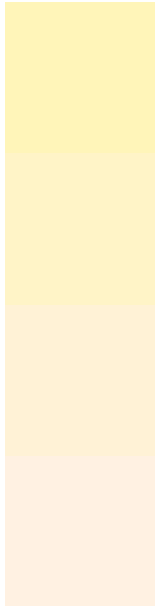
89.9401, 0.3282, 0.3388



Tritanopia

89.8951, 0.3165, 0.3184

Trichromacy



Original Color

90.0676, 0.3568, 0.3888

Protanomaly

90.0849, 0.3482, 0.3738

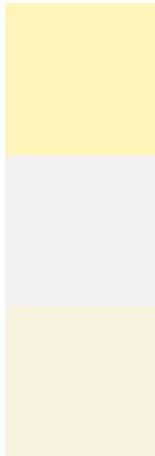
Deuteranomaly

89.6193, 0.3389, 0.3568

Tritanomaly

89.6616, 0.3314, 0.3438

Monochromacy



Original Color

90.0676, 0.3568, 0.3888

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3175, 0.3283, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0676, 0.3568, 0.3888 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 185) }
```

Border

The CSS property to change the border of an element to Yxy 90.0676, 0.3568, 0.3888 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, 185) }
```

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

```
.border{ border-color:rgb(255, 245, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0676, 0.3568, 0.3888 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, 185) }
```

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

```
.background{ background-color: rgb(255,  
245, 185) }
```

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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