

Converting Colors

$Yxy(86.7441, 0.3692, 0.4139)$

Have a look what the booklet for
Yxy(86.7441, 0.3692, 0.4139)
contains.

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Color

Yxy(86.7441, 0.3692, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	F9F39F
RGB	249, 243, 159
RGB Percent	98%, 95%, 62%
CMY	0.0235, 0.0470, 0.3765
CMYK	0.00, 0.02, 0.36, 0.02
HSL	56°, 88%, 80%
HSV	56°, 36%, 98%
XYZ	77.3760, 86.7441, 45.4573
YIQ	235.2180, 30.5400, -24.8520

Conversions

Conversions Part 2

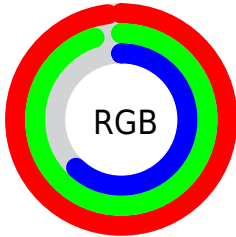
Format	Color
R _Y B	165, 249, 159
Decimal	16380831
CIE Lab	94.63, -9.99, 41.26
CIE LCh	95, 42.453, 103.604
Yxy	86.7441, 0.3692, 0.4139
Android (android.graphics.Color)	4294570911 (0xFFFF9F39F)
YUV	235.2180, -37.5755, 12.0868
Hunter-Lab	93.1365, -14.6946, 36.2578

Details

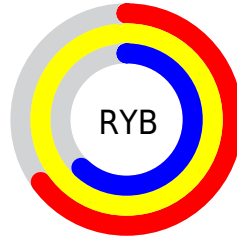
The Yxy color **86.7441, 0.3692, 0.4139** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.1140, 0.2476, 0.2269**, and the grayscale version is **83.5288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **47.6576, 0.3800, 0.4327** is the 20% darker color. If you saturate the color by 10%, you get **84.9798, 0.3844, 0.4359**, and if you desaturate by 10%, it is **88.6994, 0.3534, 0.3905**.

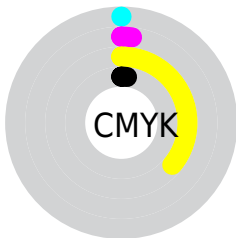
Distribution



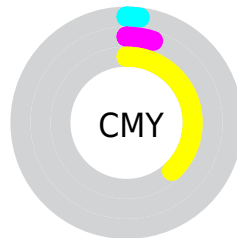
- Red (98%)
- Green (95%)
- Blue (62%)



- Red (65%)
- Yellow (98%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (36%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7441, 0.3692, 0.4139 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 86.7441, 0.3692, 0.4139 by changing the saturation by 10% instead.


 86.7441, 0.3692,
0.4139


 86.7441, 0.3692,
0.4139


517.3816, 0.3449,
0.3757

 65.2835, 0.3742,
0.4222

 142.8074, 0.3612,
0.4009

 47.6910, 0.3801,
0.4323


 178.1789, 0.3579,
0.3958

 33.5822, 0.3871,
0.4446


218.9560, 0.3551,
0.3914

 22.5728, 0.3955,
0.4598

265.5233, 0.3526,
0.3874

 14.2784, 0.4052,
0.4791

318.2651, 0.3503,
0.3840

 8.3146, 0.4160,
0.5036

377.5659, 0.3483,

 4.2969, 0.4387,

0.3809

443.8099, 0.3465,
0.3782

0.5505

1.8410, 0.4288,
0.5712

86.7441, 0.3692,
0.4139

84.9798, 0.3844,
0.4359

83.3841, 0.3983,
0.4555

81.9494, 0.4102,
0.4717

80.6623, 0.4197,
0.4839

86.7441, 0.3692,
0.4139

88.6994, 0.3534,
0.3905


90.8435, 0.3374,
0.3667


93.1893, 0.3219,
0.3431


95.5121, 0.3092,
0.3238


 79.5074, 0.4265,
0.4915


 96.5464, 0.3091,
0.3254

 78.4655, 0.4306,
0.4949

 97.5898, 0.3091,
0.3270

 78.0835, 0.4317,
0.4954

 98.6423, 0.3090,
0.3286

 98.8810, 0.3090,
0.3290

Harmonies

Analogous

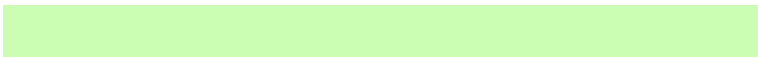
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7441, 0.4010, 0.3916



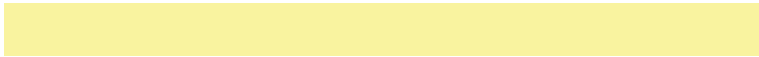
86.7441, 0.3692, 0.4139



86.7441, 0.3236, 0.4118

Triad

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



86.7441, 0.3692, 0.4139



86.7441, 0.2256, 0.2899



86.7441, 0.3450, 0.2839

Complementary

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



86.7441, 0.3692, 0.4139



41.1140, 0.2476, 0.2269

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.



86.7441, 0.2959, 0.2603



86.7441, 0.3692, 0.4139



86.7441, 0.2301, 0.2613

Square

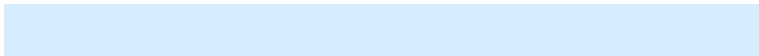
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7441, 0.3692, 0.4139



86.7441, 0.2420, 0.3341



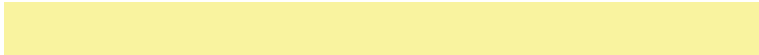
86.7441, 0.2547, 0.2518



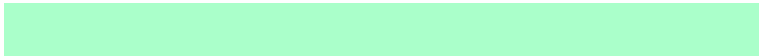
86.7441, 0.3876, 0.3179

Rectangle

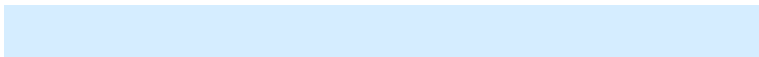
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.7441, 0.3692, 0.4139



86.7441, 0.2919, 0.3941



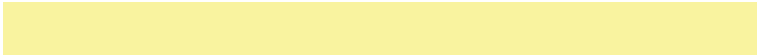
86.7441, 0.2547, 0.2518



86.7441, 0.3286, 0.2746

Sweetspot

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



86.7480, 0.3692, 0.4139



97.1360, 0.3294, 0.3545



47.6477, 0.3946, 0.3228



20.7195, 0.3315, 0.3577



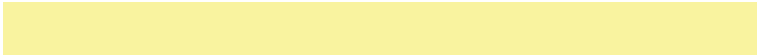
0.0000, 0.0000, 0.0000



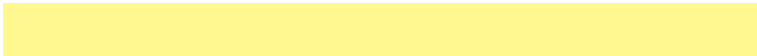
21.4041, 0.3127, 0.3290

Same Dimension

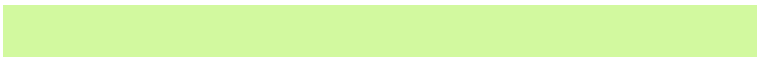
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7480, 0.3692, 0.4139



90.2596, 0.3798, 0.4293



83.9594, 0.3401, 0.4280



19.9809, 0.3270, 0.3509



41.8783, 0.4315, 0.4956



3.9366, 0.4299, 0.4969

Inverse Universe

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



41.1140, 0.2476, 0.2269



35.9429, 0.2331, 0.2037



43.6355, 0.2754, 0.2276



16.8287, 0.2979, 0.3061



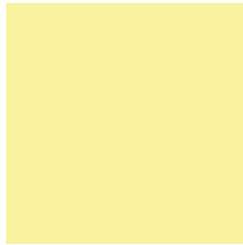
3.9383, 0.1511, 0.0641



0.4276, 0.1538, 0.0738

Previews

White Background



This preview shows how the Yxy color 86.7441, 0.3692, 0.4139 looks on a white background.

Color Contrast Check

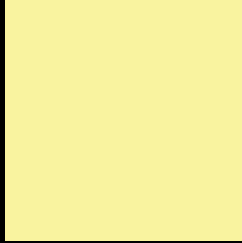
Large Text (above 18pt) WCAG AA × Fail

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 86.7441, 0.3692, 0.4139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

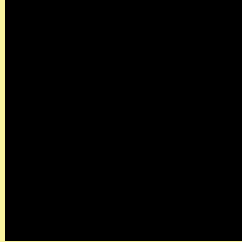
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7441, 0.3692, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 86.7441, 0.3692, 0.4139.

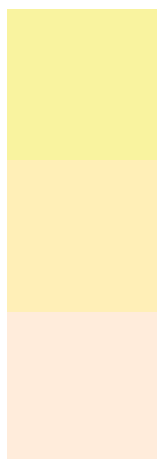


This preview shows how white text looks on a background with the Yxy color 86.7441, 0.3692, 0.4139.

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

86.7441, 0.3692, 0.4139

Protanopia

86.4119, 0.3596, 0.3853

Deuteranopia

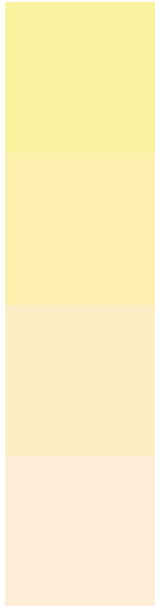
86.3654, 0.3366, 0.3460



Tritanopia

86.8829, 0.3180, 0.3154

Trichromacy



Original Color

86.7441, 0.3692, 0.4139

Protanomaly

86.2588, 0.3637, 0.3955

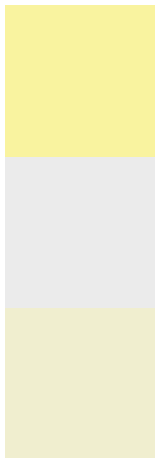
Deuteranomaly

86.6469, 0.3491, 0.3713

Tritanomaly

86.4089, 0.3370, 0.3500

Monochromacy



Original Color

86.7441, 0.3692, 0.4139

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1793, 0.3336, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7441, 0.3692, 0.4139 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(249, 243, 159)` looks like.

```
.text, #text, p{  
    color:rgb(249, 243, 159)  
}
```

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(249, 243, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 243, 159) }
```

Border

The CSS property to change the border of an element to Yxy 86.7441, 0.3692, 0.4139 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(249, 243, 159) }
```

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

```
.border{ border-color:rgb(249, 243, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 243, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 243, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 243, 159);  
box-shadow:4px 4px 4px 4px rgb(249, 243,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7441, 0.3692, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 243, 159) }
```

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

```
.background{ background-color: rgb(249,  
243, 159) }
```

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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