

Converting Colors

$Y_{xy}(99.5093, 0.4109, 0.3920)$

Have a look what the booklet for
Yxy(99.5093, 0.4109, 0.3920)
contains.

Yxy(86.9606, 0.3692, 0.4030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.9606, 0.3692, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1A7
RGB	255, 241, 167
RGB Percent	100%, 95%, 65%
CMY	0.0001, 0.0549, 0.3450
CMYK	0.00, 0.05, 0.34, 0.00
HSL	50°, 100%, 83%
HSV	50°, 34%, 100%
XYZ	79.6671, 86.9606, 49.1554
YIQ	236.7500, 32.0980, -20.0460

Conversions

Conversions Part 2

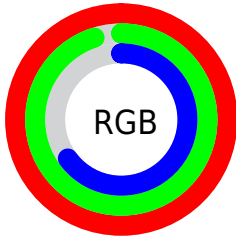
Format	Color
RYB	184, 255, 167
Decimal	16773543
CIELab	94.72, -5.82, 37.47
CIELCh	95, 37.922, 98.826
Yxy	86.9606, 0.3692, 0.4030
Android (android.graphics.Color)	4294963623 (0xFFFFF1A7)
YUV	236.7500, -34.3867, 16.0053
Hunter-Lab	93.2527, -10.6970, 34.0239

Details

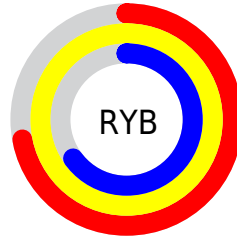
The Yxy color **86.9606, 0.3692, 0.4030** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.4826, 0.2522, 0.2421**, and the grayscale version is **84.7389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **47.7831, 0.3806, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **83.7410, 0.3863, 0.4237**, and if you desaturate by 10%, it is **90.4274, 0.3520, 0.3813**.

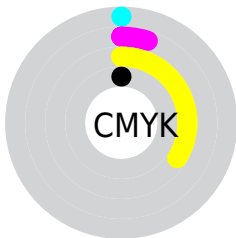
Distribution



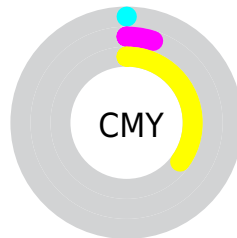
- Red (100%)
- Green (95%)
- Blue (65%)



- Red (72%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (5%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9606, 0.3692, 0.4030 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 86.9606, 0.3692, 0.4030 by changing the saturation by 10% instead.

 86.9606, 0.3692,
0.4030


 86.9606, 0.3692,
0.4030

518.0934, 0.3445,
0.3699

 65.4626, 0.3744,
0.4102


 143.1092, 0.3610,
0.3918

 47.8363, 0.3806,
0.4189


 178.5286, 0.3577,
0.3874

 33.6973, 0.3881,
0.4295


219.3573, 0.3548,
0.3835

 22.6611, 0.3971,
0.4427

265.9796, 0.3522,
0.3801

 14.3435, 0.4082,
0.4594

318.7800, 0.3500,
0.3771

 8.3599, 0.4215,
0.4808

378.1428, 0.3480,

 4.3261, 0.4423,

0.3744

0.5149

444.4525, 0.3462,
0.3720

■ 1.8576, 0.4537,
0.5463

■ 0.5227, 0.4043,
0.5957

■ 86.9606, 0.3692,
0.4030

■ 86.9606, 0.3692,
0.4030

■ 83.7410, 0.3863,
0.4237

■ 90.4274, 0.3520,
0.3813

■ 80.7453, 0.4028,
0.4425

■ 94.1399, 0.3353,
0.3595

■ 77.9651, 0.4178,
0.4582

■ 98.1118, 0.3195,
0.3383

■ 75.3863, 0.4307,
0.4701

99.9967, 0.3127,
0.3290

■ 72.9927, 0.4408,
0.4774

■ 70.7644, 0.4481,
0.4801

■ 69.5932, 0.4511,
0.4800

Harmonies

Analogous

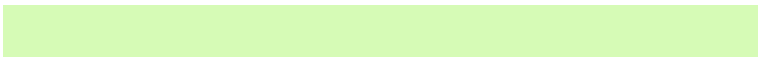
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9606, 0.3944, 0.3812



86.9606, 0.3692, 0.4030



86.9606, 0.3297, 0.4044

Triad

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



86.9606, 0.3692, 0.4030



86.9606, 0.2354, 0.3000



86.9606, 0.3348, 0.2842

Complementary

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



86.9606, 0.3692, 0.4030



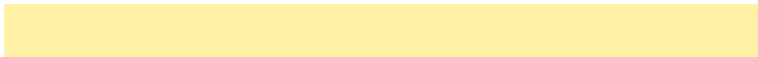
48.4826, 0.2522, 0.2421

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.



86.9606, 0.2912, 0.2648



86.9606, 0.3692, 0.4030



86.9606, 0.2364, 0.2715

Square

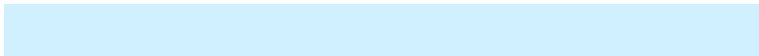
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9606, 0.3692, 0.4030



86.9606, 0.2534, 0.3407



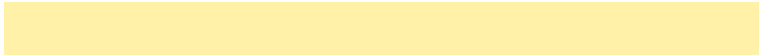
86.9606, 0.2560, 0.2598



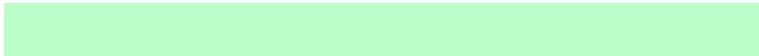
86.9606, 0.3744, 0.3140

Rectangle

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



86.9606, 0.3692, 0.4030



86.9606, 0.3011, 0.3913



86.9606, 0.2560, 0.2598



86.9606, 0.3200, 0.2764

Sweetspot

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



86.9646, 0.3692, 0.4030



95.9079, 0.3281, 0.3499



52.2669, 0.3810, 0.3138



20.4097, 0.3303, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

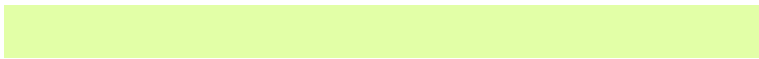
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9646, 0.3692, 0.4030



84.8546, 0.3804, 0.4166



90.4141, 0.3449, 0.4215



20.5703, 0.3273, 0.3488



36.5534, 0.4505, 0.4805



3.6851, 0.4463, 0.4838

Inverse Universe

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



48.4826, 0.2522, 0.2421



41.4052, 0.2392, 0.2224



46.6466, 0.2708, 0.2308



17.8436, 0.2979, 0.3084



4.7205, 0.1537, 0.0732



0.5872, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 86.9606, 0.3692, 0.4030 looks on a white background.

Color Contrast Check

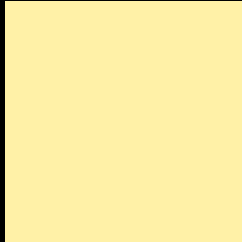
Large Text (above 18pt) WCAG AA × Fail

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 86.9606, 0.3692, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

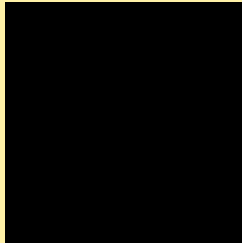
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9606, 0.3692, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 86.9606, 0.3692, 0.4030.

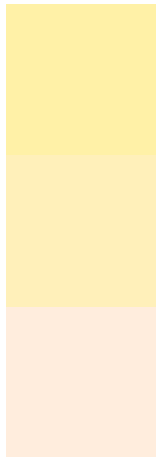


This preview shows how white text looks on a background with the Yxy color 86.9606, 0.3692, 0.4030.

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

86.9606, 0.3692, 0.4030

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

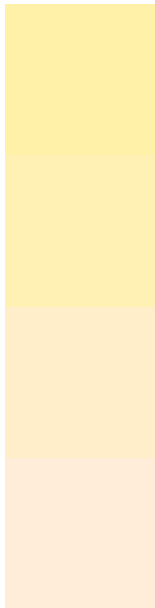
87.0488, 0.3351, 0.3449



Tritanopia

86.6982, 0.3199, 0.3183

Trichromacy



Original Color

86.9606, 0.3692, 0.4030

Protanomaly

86.8348, 0.3619, 0.3902

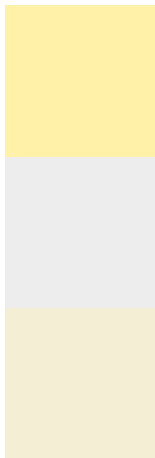
Deuteranomaly

86.6261, 0.3481, 0.3661

Tritanomaly

86.8381, 0.3377, 0.3489

Monochromacy



Original Color

86.9606, 0.3692, 0.4030

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.1356, 0.3332, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9606, 0.3692, 0.4030 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, 241, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 167)  
}
```

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, 241, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 167) }
```

Border

The CSS property to change the border of an element to Yxy 86.9606, 0.3692, 0.4030 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, 241, 167) }
```

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

```
.border{ border-color:rgb(255, 241, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9606, 0.3692, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 167) }
```

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

```
.background{ background-color: rgb(255,  
241, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor