

Converting Colors

$Yxy(87.7440, 0.3654, 0.4021)$

Have a look what the booklet for
Yxy(87.7440, 0.3654, 0.4021)
contains.

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Color

Yxy(87.8861, 0.3653, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	FDF3AA
RGB	253, 243, 170
RGB Percent	99%, 95%, 67%
CMY	0.0078, 0.0471, 0.3332
CMYK	0.00, 0.04, 0.33, 0.01
HSL	53°, 95%, 83%
HSV	53°, 33%, 99%
XYZ	79.8230, 87.8861, 50.8044
YIQ	237.6680, 29.3930, -20.5830

Conversions

Conversions Part 2

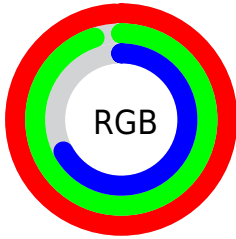
Format	Color
R _Y B	181, 253, 170
Decimal	16642986
CIE Lab	95.11, -7.20, 36.45
CIE LCh	95, 37.155, 101.171
Yxy	87.8861, 0.3653, 0.4022
Android (android.graphics.Color)	4294833066 (0xFFFD3AA)
YUV	237.6680, -33.3603, 13.4462
Hunter-Lab	93.7476, -12.0715, 33.4924

Details

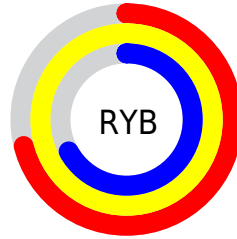
The Yxy color **87.8861, 0.3653, 0.4022** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.3114, 0.2551, 0.2433**, and the grayscale version is **85.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **48.4271, 0.3755, 0.4182** is the 20% darker color. If you saturate the color by 10%, you get **85.2082, 0.3818, 0.4238**, and if you desaturate by 10%, it is **90.7867, 0.3487, 0.3797**.

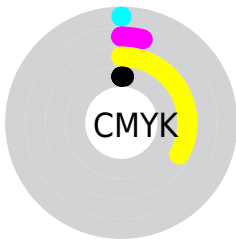
Distribution



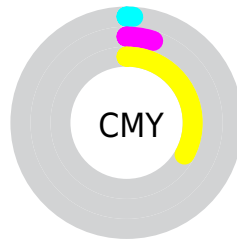
- Red (99%)
- Green (95%)
- Blue (67%)



- Red (71%)
- Yellow (99%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (1%)





- Cyan (1%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8861, 0.3653, 0.4022 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 87.8861, 0.3653, 0.4022 by changing the saturation by 10% instead.

 87.8861, 0.3653,
0.4022

 87.8861, 0.3653,
0.4022


521.1302, 0.3424,
0.3694

 66.2287, 0.3701,
0.4094


 144.3986, 0.3577,
0.3911

 48.4581, 0.3759,
0.4180


180.0225, 0.3546,
0.3867

 34.1898, 0.3827,
0.4286


221.0707, 0.3519,
0.3828

 23.0395, 0.3911,
0.4419

267.9276, 0.3496,
0.3795

 14.6226, 0.4013,
0.4589

320.9776, 0.3475,
0.3765

 8.5550, 0.4136,
0.4808

380.6051, 0.3456,

 4.4521, 0.4311,

0.3739

0.5137

447.1945, 0.3439,
0.3715

■ 1.9295, 0.4461,
0.5539

■ 0.5660, 0.3903,
0.6097

■ 87.8861, 0.3653,
0.4022

■ 87.8861, 0.3653,
0.4022

■ 85.2082, 0.3818,
0.4238

■ 90.7867, 0.3487,
0.3797

■ 82.7304, 0.3974,
0.4436

■ 93.9080, 0.3324,
0.3570

■ 80.4447, 0.4116,
0.4604

■ 97.2631, 0.3169,
0.3350

■ 78.3379, 0.4236,
0.4734

■ 99.6268, 0.3115,
0.3290

■ 76.3947, 0.4330,
0.4820

■ 74.5966, 0.4395,
0.4860

■ 73.3719, 0.4428,
0.4866

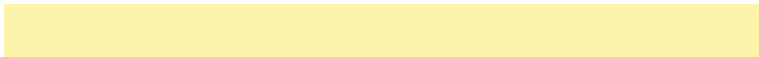
Harmonies

Analogous

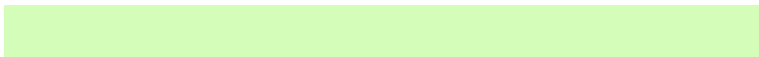
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8861, 0.3913, 0.3822



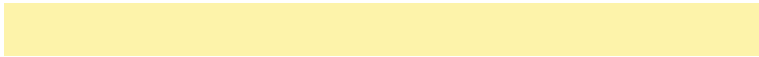
87.8861, 0.3653, 0.4022



87.8861, 0.3261, 0.4016

Triad

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



87.8861, 0.3653, 0.4022



87.8861, 0.2365, 0.2981



87.8861, 0.3376, 0.2872

Complementary

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



87.8861, 0.3653, 0.4022



48.3114, 0.2551, 0.2433

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.



87.8861, 0.2949, 0.2672



87.8861, 0.3653, 0.4022



87.8861, 0.2390, 0.2713

Square

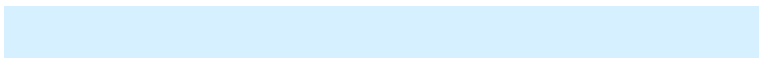
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8861, 0.3653, 0.4022



87.8861, 0.2527, 0.3372



87.8861, 0.2595, 0.2611



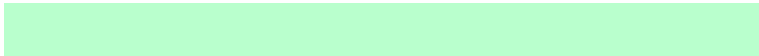
87.8861, 0.3754, 0.3170

Rectangle

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



87.8861, 0.3653, 0.4022



87.8861, 0.2982, 0.3875



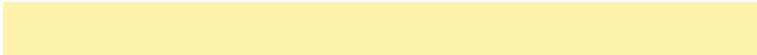
87.8861, 0.2595, 0.2611



87.8861, 0.3233, 0.2792

Sweetspot

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



87.8901, 0.3653, 0.4022



96.5154, 0.3280, 0.3508



52.9908, 0.3790, 0.3175



20.5576, 0.3302, 0.3539



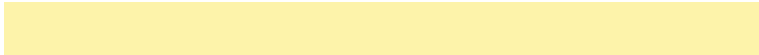
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

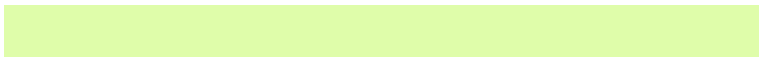
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8901, 0.3653, 0.4022



87.7378, 0.3756, 0.4158



88.7920, 0.3416, 0.4172



20.6940, 0.3272, 0.3497



39.1680, 0.4423, 0.4870



3.9147, 0.4393, 0.4894

Inverse Universe

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



48.3114, 0.2551, 0.2433



42.0877, 0.2425, 0.2239



48.2004, 0.2754, 0.2368



17.7311, 0.2979, 0.3074



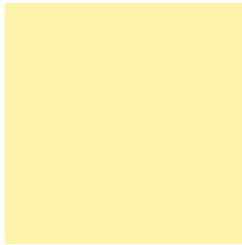
4.3895, 0.1524, 0.0687



0.5345, 0.1565, 0.0835

Previews

White Background



This preview shows how the Yxy color 87.8861, 0.3653, 0.4022 looks on a white background.

Color Contrast Check

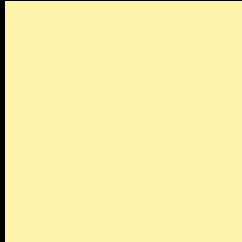
Large Text (above 18pt) WCAG AA × Fail

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 87.8861, 0.3653, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

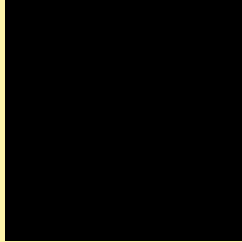
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8861, 0.3653, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 87.8861, 0.3653, 0.4022.



This preview shows how white text looks on a background with the Yxy color 87.8861, 0.3653, 0.4022.

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

87.8861, 0.3653, 0.4022

Protanopia

87.9764, 0.3533, 0.3781

Deuteranopia

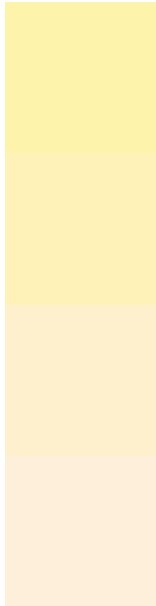
87.7909, 0.3330, 0.3429



Tritanopia

87.9663, 0.3186, 0.3183

Trichromacy



Original Color

87.8861, 0.3653, 0.4022

Protanomaly

88.0358, 0.3575, 0.3872

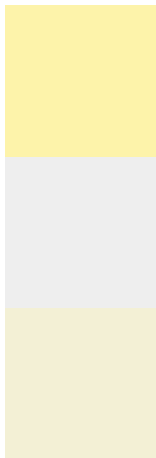
Deuteranomaly

87.7506, 0.3450, 0.3651

Tritanomaly

87.9183, 0.3355, 0.3489

Monochromacy



Original Color

87.8861, 0.3653, 0.4022

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.1790, 0.3316, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8861, 0.3653, 0.4022 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(253, 243, 170)` looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 170)  
}
```

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(253, 243, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 170) }
```

Border

The CSS property to change the border of an element to Yxy 87.8861, 0.3653, 0.4022 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(253, 243, 170) }
```

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

```
.border{ border-color:rgb(253, 243, 170) }
```

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

Here you see how a box with a 4 pixel rgb(253, 243, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 170);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8861, 0.3653, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 170) }
```

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

```
.background{ background-color: rgb(253,  
243, 170) }
```

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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