

Converting Colors

$Yxy(86.5189, 0.3566, 0.4042)$

Have a look what the booklet for
Yxy(86.5189, 0.3566, 0.4042)
contains.

Yxy(86.5189, 0.3566, 0.4042)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5189, 0.3566, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	F2F4AB
RGB	242, 244, 171
RGB Percent	95%, 96%, 67%
CMY	0.0508, 0.0432, 0.3294
CMYK	0.01, 0.00, 0.30, 0.04
HSL	62°, 77%, 81%
HSV	62°, 30%, 96%
XYZ	76.3301, 86.5189, 51.2007
YIQ	235.0800, 22.2410, -23.1270

Conversions

Conversions Part 2

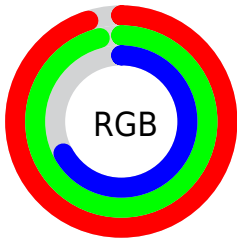
Format	Color
RYB	171, 244, 173
Decimal	15922347
CIELab	94.53, -11.69, 35.05
CIELCh	95, 36.946, 108.438
Yxy	86.5189, 0.3566, 0.4042
Android (android.graphics.Color)	4294112427 (0xFFFF2F4AB)
YUV	235.0800, -31.5914, 6.0688
Hunter-Lab	93.0155, -16.2970, 32.4745

Details

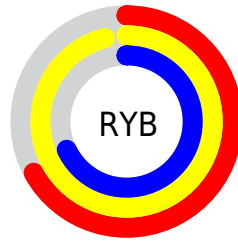
The Yxy color **86.5189, 0.3566, 0.4042** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.5325, 0.2611, 0.2416**, and the grayscale version is **83.3808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **47.5887, 0.3651, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **85.5616, 0.3707, 0.4286**, and if you desaturate by 10%, it is **87.6562, 0.3419, 0.3789**.

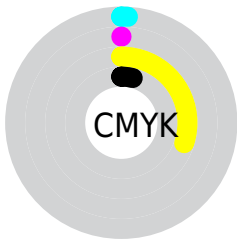
Distribution



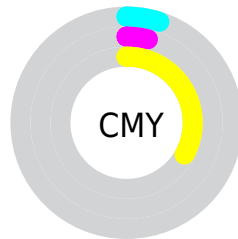
- Red (95%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5189, 0.3566, 0.4042 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 86.5189, 0.3566, 0.4042 by changing the saturation by 10% instead.


 86.5189, 0.3566,
0.4042

 86.5189, 0.3566,
0.4042


516.6407, 0.3376,
0.3700

 65.0971, 0.3606,
0.4118


 142.4934, 0.3503,
0.3925

 47.5399, 0.3653,
0.4210


177.8149, 0.3478,
0.3879

 33.4626, 0.3709,
0.4324


218.5384, 0.3456,
0.3839

 22.4811, 0.3776,
0.4469

265.0484, 0.3436,
0.3804

 14.2108, 0.3858,
0.4657

317.7293, 0.3418,
0.3774

 8.2674, 0.3953,
0.4907

376.9653, 0.3403,

 4.2666, 0.4084,

0.3746

0.5288

443.1410, 0.3389,
0.3722

■ 1.8238, 0.4183,
0.5817

■ 0.5019, 0.2765,
0.7235

■ 86.5189, 0.3566,
0.4042

■ 86.5189, 0.3566,
0.4042

■ 85.5616, 0.3707,
0.4286

■ 87.6562, 0.3419,
0.3789

■ 84.7630, 0.3836,
0.4512


■ 88.9704, 0.3271,
0.3535

■ 84.1168, 0.3947,
0.4708


■ 90.4737, 0.3126,
0.3288

■ 83.6113, 0.4035,
0.4867

■ 91.2671, 0.3066,
0.3182

 83.2332, 0.4097,
0.4983


 91.3842, 0.3070,
0.3183

 82.9670, 0.4132,
0.5055


 91.5018, 0.3074,
0.3183

 82.7863, 0.4146,
0.5090

 91.6197, 0.3078,
0.3183

 82.7850, 0.4146,
0.5090

 91.7381, 0.3083,
0.3183

 91.8568, 0.3087,
0.3183

Harmonies

Analogous

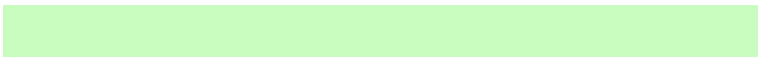
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5189, 0.3867, 0.3885



86.5189, 0.3566, 0.4042



86.5189, 0.3159, 0.3976

Triad

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



86.5189, 0.3566, 0.4042



86.5189, 0.2354, 0.2902



86.5189, 0.3477, 0.2937

Complementary

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



86.5189, 0.3566, 0.4042



44.5325, 0.2611, 0.2416

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.



86.5189, 0.3050, 0.2709



86.5189, 0.3566, 0.4042



86.5189, 0.2424, 0.2673

Square

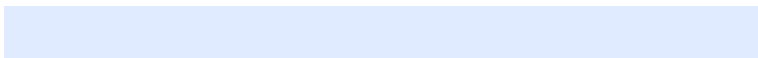
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5189, 0.3566, 0.4042



86.5189, 0.2472, 0.3271



86.5189, 0.2669, 0.2612



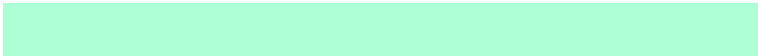
86.5189, 0.3823, 0.3250

Rectangle

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



86.5189, 0.3566, 0.4042



86.5189, 0.2885, 0.3800



86.5189, 0.2669, 0.2612



86.5189, 0.3337, 0.2849

Sweetspot

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



86.5228, 0.3566, 0.4042



98.4930, 0.3258, 0.3512



51.7573, 0.3797, 0.3305



21.0329, 0.3279, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

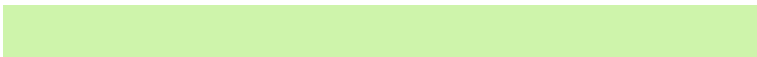
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5228, 0.3566, 0.4042



94.9698, 0.3654, 0.4194



80.7991, 0.3316, 0.4107



19.2897, 0.3264, 0.3524



45.0268, 0.4147, 0.5089



3.9644, 0.4153, 0.5084

Inverse Universe

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



44.5325, 0.2611, 0.2416



41.5547, 0.2484, 0.2204



49.1679, 0.2879, 0.2479



15.9478, 0.2983, 0.3045



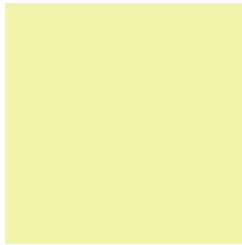
3.5836, 0.1508, 0.0604



0.3222, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 86.5189, 0.3566, 0.4042 looks on a white background.

Color Contrast Check

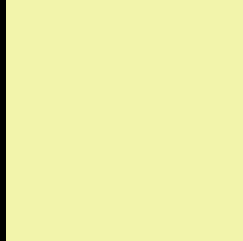
Large Text (above 18pt) WCAG AA × Fail

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 86.5189, 0.3566, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

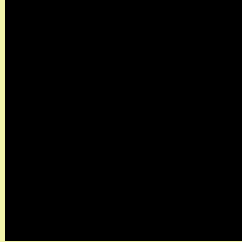
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5189, 0.3566, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 86.5189, 0.3566, 0.4042.

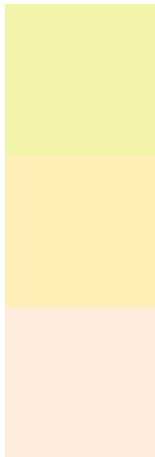


This preview shows how white text looks on a background with the Yxy color 86.5189, 0.3566, 0.4042.

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

86.5189, 0.3566, 0.4042

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

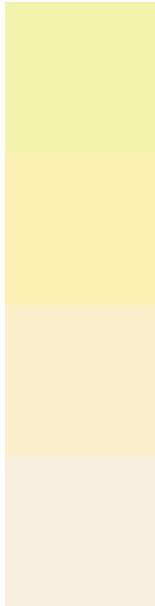
86.4182, 0.3359, 0.3449



Tritanopia

86.5694, 0.3135, 0.3115

Trichromacy



Original Color

86.5189, 0.3566, 0.4042

Protanomaly

86.4489, 0.3587, 0.3929

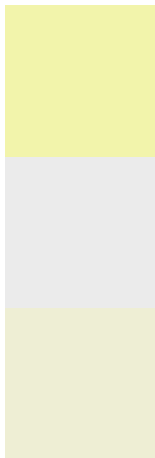
Deuteranomaly

86.3213, 0.3437, 0.3665

Tritanomaly

86.4332, 0.3289, 0.3441

Monochromacy



Original Color

86.5189, 0.3566, 0.4042

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0797, 0.3290, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5189, 0.3566, 0.4042 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(242, 244, 171)` looks like.

```
.text, #text, p{  
    color:rgb(242, 244, 171)  
}
```

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(242, 244, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 171) }
```

Border

The CSS property to change the border of an element to Yxy 86.5189, 0.3566, 0.4042 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(242, 244, 171) }
```

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

```
.border{ border-color:rgb(242, 244, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 244, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 171);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5189, 0.3566, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 171) }
```

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

```
.background{ background-color: rgb(242,  
244, 171) }
```

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