

Converting Colors

$Yxy(87.2406, 0.3542, 0.4067)$

Have a look what the booklet for
Yxy(87.2406, 0.3542, 0.4067)
contains.

Yxy(87.2025, 0.3539, 0.4066)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2025, 0.3539, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	EFF6AB
RGB	239, 246, 171
RGB Percent	94%, 96%, 67%
CMY	0.0628, 0.0353, 0.3294
CMYK	0.03, 0.00, 0.30, 0.04
HSL	66°, 81%, 82%
HSV	66°, 30%, 96%
XYZ	75.9001, 87.2025, 51.3650
YIQ	235.3570, 19.9030, -24.8090

Conversions

Conversions Part 2

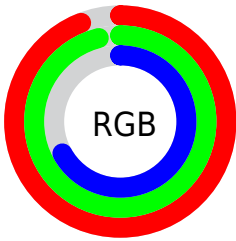
Format	Color
RYB	171, 246, 178
Decimal	15726251
CIELab	94.82, -13.81, 35.38
CIELCh	95, 37.984, 111.322
Yxy	87.2025, 0.3539, 0.4066
Android (android.graphics.Color)	4293916331 (0xFFEFF6AB)
YUV	235.3570, -31.7280, 3.1949
Hunter-Lab	93.3823, -18.3362, 32.7551

Details

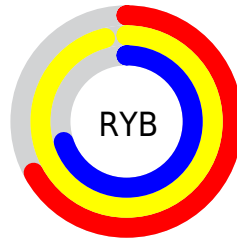
The Yxy color **87.2025, 0.3539, 0.4066** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.2548, 0.2635, 0.2405**, and the grayscale version is **83.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **48.0800, 0.3616, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **85.9553, 0.3667, 0.4318**, and if you desaturate by 10%, it is **88.6372, 0.3404, 0.3807**.

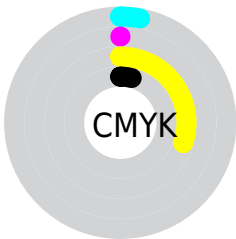
Distribution



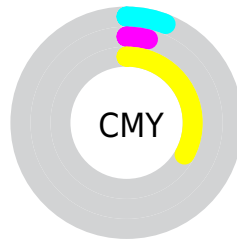
- Red (94%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (6%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2025, 0.3539, 0.4066 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 87.2025, 0.3539, 0.4066 by changing the saturation by 10% instead.


 87.2025, 0.3539,
0.4066

 87.2025, 0.3539,
0.4066


518.8880, 0.3362,
0.3712

 65.6628, 0.3576,
0.4145


 143.4464, 0.3481,
0.3945

 47.9987, 0.3619,
0.4240


178.9193, 0.3457,
0.3897

 33.8259, 0.3670,
0.4359


219.8054, 0.3436,
0.3856

 22.7599, 0.3731,
0.4510

266.4892, 0.3418,
0.3820

 14.4163, 0.3803,
0.4706

319.3549, 0.3402,
0.3788

 8.4108, 0.3885,
0.4969

378.7871, 0.3387,

 4.3589, 0.3993,

0.3760

445.1700, 0.3374,
0.3735

0.5368

1.8763, 0.4061,
0.5939

0.5341, 0.2419,
0.7581

87.2025, 0.3539,
0.4066

87.2025, 0.3539,
0.4066

85.9553, 0.3667,
0.4318

88.6372, 0.3404,
0.3807

84.8742, 0.3783,
0.4553


90.2567, 0.3268,
0.3550


83.9524, 0.3880,
0.4761


92.0733, 0.3134,
0.3302

83.1780, 0.3955,
0.4932

93.1310, 0.3088,
0.3203

 82.5373, 0.4004,
0.5059

 93.5552, 0.3103,
0.3203

 82.0141, 0.4026,
0.5142

 93.9847, 0.3117,
0.3204

 81.6002, 0.4027,
0.5185

 94.3975, 0.3131,
0.3204

Harmonies

Analogous

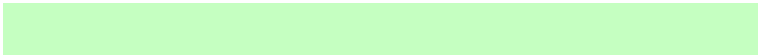
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2025, 0.3863, 0.3922



87.2025, 0.3539, 0.4066



87.2025, 0.3117, 0.3975

Triad

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



87.2025, 0.3539, 0.4066



87.2025, 0.2334, 0.2862



87.2025, 0.3526, 0.2956

Complementary

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



87.2025, 0.3539, 0.4066



45.2548, 0.2635, 0.2405

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.



87.2025, 0.3089, 0.2713



87.2025, 0.3539, 0.4066



87.2025, 0.2424, 0.2644

Square

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



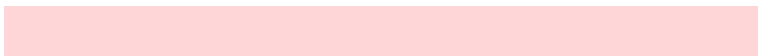
87.2025, 0.3539, 0.4066



87.2025, 0.2436, 0.3229



87.2025, 0.2691, 0.2599



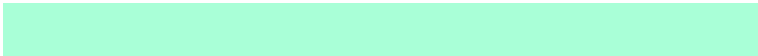
87.2025, 0.3865, 0.3282

Rectangle

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



87.2025, 0.3539, 0.4066



87.2025, 0.2841, 0.3780



87.2025, 0.2691, 0.2599



87.2025, 0.3384, 0.2864

Sweetspot

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



87.2064, 0.3539, 0.4066



98.2036, 0.3248, 0.3513



54.0837, 0.3798, 0.3360



20.9610, 0.3267, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

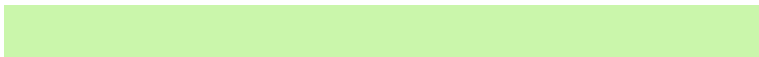
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2064, 0.3539, 0.4066



93.7031, 0.3624, 0.4233



81.4514, 0.3286, 0.4134



19.2301, 0.3254, 0.3525



43.5844, 0.4030, 0.5182



3.8532, 0.4052, 0.5165

Inverse Universe

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



45.2548, 0.2635, 0.2405



41.0766, 0.2506, 0.2181



50.1963, 0.2912, 0.2471



16.0009, 0.2994, 0.3046



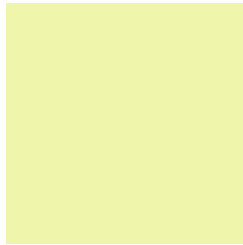
3.6748, 0.1531, 0.0617



0.3476, 0.1599, 0.0655

Previews

White Background



This preview shows how the Yxy color 87.2025, 0.3539, 0.4066 looks on a white background.

Color Contrast Check

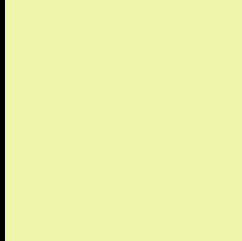
Large Text (above 18pt) WCAG AA × Fail

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 87.2025, 0.3539, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

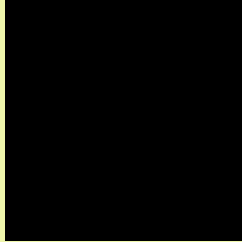
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

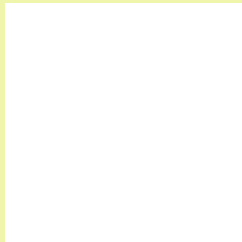
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2025, 0.3539, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 87.2025, 0.3539, 0.4066.

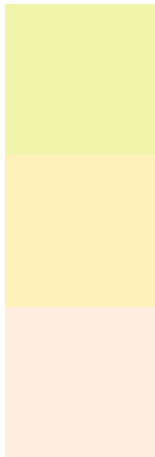


This preview shows how white text looks on a background with the Yxy color 87.2025, 0.3539, 0.4066.

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

87.2025, 0.3539, 0.4066

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

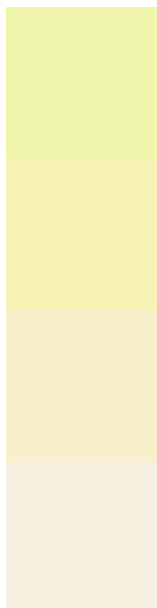
87.1023, 0.3345, 0.3439



Tritanopia

86.7122, 0.3103, 0.3104

Trichromacy



Original Color

87.2025, 0.3539, 0.4066

Protanomaly

86.9802, 0.3558, 0.3910

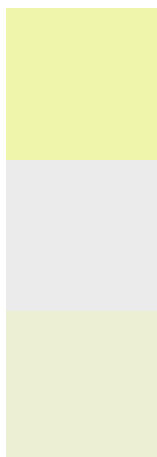
Deuteranomaly

86.7717, 0.3422, 0.3665

Tritanomaly

86.5273, 0.3261, 0.3442

Monochromacy



Original Color

87.2025, 0.3539, 0.4066

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.3193, 0.3275, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2025, 0.3539, 0.4066 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(239, 246, 171)` looks like.

```
.text, #text, p{  
    color:rgb(239, 246, 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(239, 246, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 246, 171) }
```

Border

The CSS property to change the border of an element to Yxy 87.2025, 0.3539, 0.4066 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(239, 246, 171) }
```

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

```
.border{ border-color:rgb(239, 246, 171) }
```

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

Here you see how a box with a 4 pixel rgb(239, 246, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 246, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 246, 171);  
box-shadow:4px 4px 4px 4px rgb(239, 246,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2025, 0.3539, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 246, 171) }
```

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

```
.background{ background-color: rgb(239,  
246, 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