

Converting Colors

$Yxy(86.8129, 0.3477, 0.3950)$

Have a look what the booklet for
Yxy(86.8129, 0.3477, 0.3950)
contains.

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Color

Yxy(86.9917, 0.3481, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	EFF5B5
RGB	239, 245, 181
RGB Percent	94%, 96%, 71%
CMY	0.0625, 0.0393, 0.2902
CMYK	0.02, 0.00, 0.26, 0.04
HSL	66°, 76%, 84%
HSV	66°, 26%, 96%
XYZ	76.6046, 86.9917, 56.4687
YIQ	235.9100, 16.9680, -21.1760

Conversions

Conversions Part 2

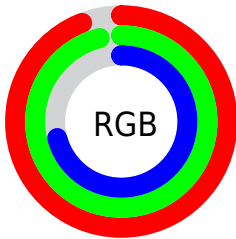
Format	Color
RYB	181, 245, 187
Decimal	15726005
CIELab	94.73, -12.00, 30.24
CIElCh	95, 32.528, 111.639
Yxy	86.9917, 0.3481, 0.3953
Android (android.graphics.Color)	4293916085 (0xFFEFF5B5)
YUV	235.9100, -27.0706, 2.7099
Hunter-Lab	93.2693, -16.6145, 29.3922

Details

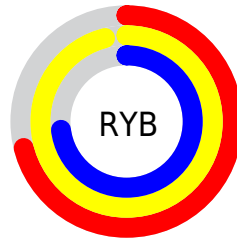
The Yxy color **86.9917, 0.3481, 0.3953** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.1955, 0.2716, 0.2549**, and the grayscale version is **84.0183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **47.8988, 0.3544, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **85.6840, 0.3613, 0.4209**, and if you desaturate by 10%, it is **88.4889, 0.3345, 0.3694**.

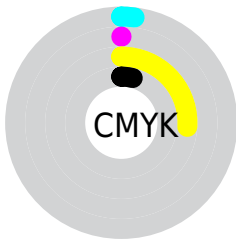
Distribution



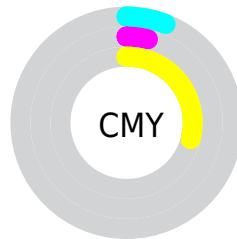
- Red (94%)
- Green (96%)
- Blue (71%)



- Red (71%)
- Yellow (96%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)





- Cyan (6%)
- Magenta (4%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9917, 0.3481, 0.3953 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 86.9917, 0.3481, 0.3953 by changing the saturation by 10% instead.

 86.9917, 0.3481,
0.3953

 86.9917, 0.3481,
0.3953


518.1956, 0.3328,
0.3651

 65.4883, 0.3513,
0.4020


 143.1526, 0.3430,
0.3849

 47.8572, 0.3552,
0.4103

178.5789, 0.3409,
0.3809

 33.7138, 0.3598,
0.4206


219.4149, 0.3392,
0.3773

 22.6738, 0.3654,
0.4337

266.0452, 0.3376,
0.3743

 14.3528, 0.3724,
0.4510

318.8539, 0.3362,
0.3716

 8.3665, 0.3808,
0.4745

378.2257, 0.3349,

 4.3303, 0.3904,

0.3692

0.5079

444.5448, 0.3338,
0.3670

■ 1.8600, 0.4169,
0.5831

■ 0.5242, 0.2815,
0.7185

■ 86.9917, 0.3481,
0.3953

■ 86.9917, 0.3481,
0.3953

■ 85.6840, 0.3613,
0.4209

■ 88.4889, 0.3345,
0.3694

■ 84.5450, 0.3735,
0.4453


■ 90.1726, 0.3209,
0.3440

■ 83.5684, 0.3841,
0.4673

■ 92.0548, 0.3077,
0.3197


■ 82.7429, 0.3927,
0.4861


■ 92.4998, 0.3088,
0.3193

 82.0560, 0.3987,
0.5008


 92.9174, 0.3102,
0.3193

 81.4927, 0.4021,
0.5110

 93.3401, 0.3117,
0.3194

 81.0348, 0.4030,
0.5168

 93.7678, 0.3131,
0.3194

 80.8742, 0.4029,
0.5183

 93.7779, 0.3132,
0.3194

Harmonies

Analogous

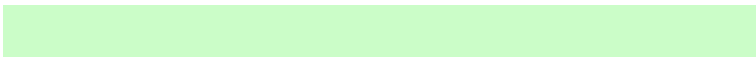
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9917, 0.3758, 0.3839



86.9917, 0.3481, 0.3953



86.9917, 0.3119, 0.3869

Triad

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



86.9917, 0.3481, 0.3953



86.9917, 0.2441, 0.2923



86.9917, 0.3474, 0.3005

Complementary

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



86.9917, 0.3481, 0.3953



50.1955, 0.2716, 0.2549

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.



86.9917, 0.3101, 0.2791



86.9917, 0.3481, 0.3953



86.9917, 0.2521, 0.2732

Square

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



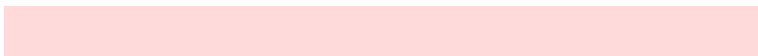
86.9917, 0.3481, 0.3953



86.9917, 0.2529, 0.3238



86.9917, 0.2755, 0.2691



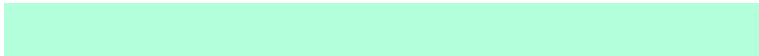
86.9917, 0.3760, 0.3291

Rectangle

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



86.9917, 0.3481, 0.3953



86.9917, 0.2880, 0.3703



86.9917, 0.2755, 0.2691



86.9917, 0.3353, 0.2923

Sweetspot

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



86.9956, 0.3481, 0.3953



98.3984, 0.3234, 0.3488



58.0049, 0.3674, 0.3349



21.0002, 0.3255, 0.3526



0.0000, 0.0000, 0.0000



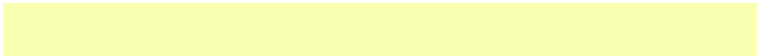
21.4041, 0.3127, 0.3290

Same Dimension

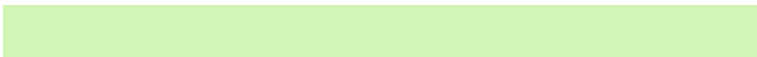
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9956, 0.3481, 0.3953



94.5502, 0.3547, 0.4081



81.9951, 0.3265, 0.4001



19.2310, 0.3254, 0.3525



43.6058, 0.4032, 0.5181



3.8549, 0.4053, 0.5164

Inverse Universe

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



50.1955, 0.2716, 0.2549



48.3518, 0.2623, 0.2386



54.5957, 0.2949, 0.2597



16.0001, 0.2993, 0.3046



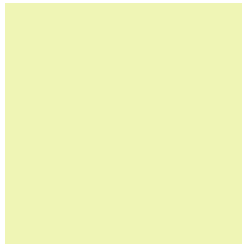
3.6730, 0.1530, 0.0617



0.3472, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 86.9917, 0.3481, 0.3953 looks on a white background.

Color Contrast Check

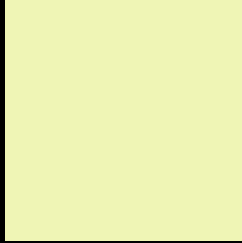
Large Text (above 18pt) WCAG AA × Fail

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 86.9917, 0.3481, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

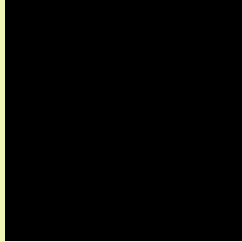
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

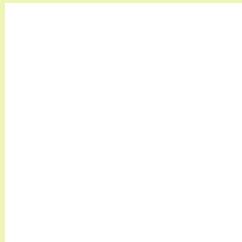
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9917, 0.3481, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 86.9917, 0.3481, 0.3953.

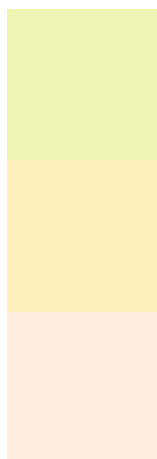


This preview shows how white text looks on a background with the Yxy color 86.9917, 0.3481, 0.3953.

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

86.9917, 0.3481, 0.3953

Protanopia

86.5809, 0.3570, 0.3812

Deuteranopia

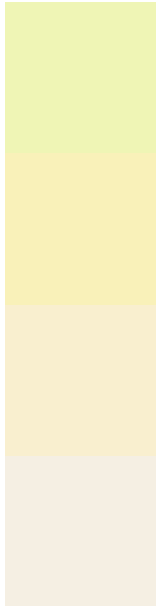
86.5248, 0.3346, 0.3429



Tritanopia

86.7122, 0.3103, 0.3104

Trichromacy



Original Color

86.9917, 0.3481, 0.3953

Protanomaly

86.5531, 0.3535, 0.3860

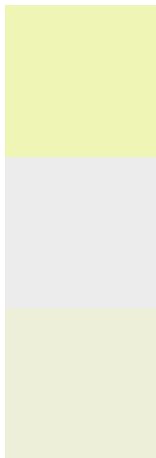
Deuteranomaly

86.3777, 0.3397, 0.3614

Tritanomaly

86.6915, 0.3242, 0.3411

Monochromacy



Original Color

86.9917, 0.3481, 0.3953

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6954, 0.3257, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9917, 0.3481, 0.3953 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, 245, 181)` looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 181)  
}
```

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, 245, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 181) }
```

Border

The CSS property to change the border of an element to Yxy 86.9917, 0.3481, 0.3953 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, 245, 181) }
```

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

```
.border{ border-color:rgb(239, 245, 181) }
```

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

Here you see how a box with a 4 pixel rgb(239, 245, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 181);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9917, 0.3481, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 181) }
```

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

```
.background{ background-color: rgb(239,  
245, 181) }
```

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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