

# Converting Colors

Yxy(88.9188, 0.3486, 0.4049)

Have a look what the booklet for  
Yxy(88.9188, 0.3486, 0.4049)  
contains.

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# Color

**Yxy(88.8905, 0.3488, 0.4046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF9B0
RGB	237, 249, 176
RGB Percent	93%, 98%, 69%
CMY	0.0706, 0.0235, 0.3099
CMYK	0.05, 0.00, 0.29, 0.02
HSL	70°, 86%, 83%
HSV	70°, 29%, 98%
XYZ	76.6313, 88.8905, 54.1779
YIQ	237.0900, 16.2810, -25.2470

# Conversions

## Conversions Part 2

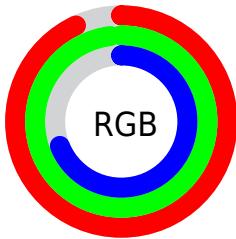
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 249, 188
Decimal	15595952
CIE <sub>Lab</sub>	95.53, -15.39, 33.82
CIE <sub>LCh</sub>	96, 37.154, 114.468
Yxy	88.8905, 0.3488, 0.4046
Android (android.graphics.Color)	4293786032 (0xFFEDF9B0)
YUV	237.0900, -30.1174, -0.0789
Hunter-Lab	94.2818, -19.9101, 31.9269

# Details

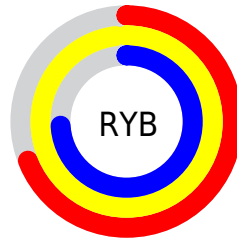
The Yxy color **88.8905, 0.3488, 0.4046** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.5719, 0.2693, 0.2452**, and the grayscale version is **84.9871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **49.2733, 0.3550, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **87.2999, 0.3604, 0.4308**, and if you desaturate by 10%, it is **90.6859, 0.3365, 0.3781**.

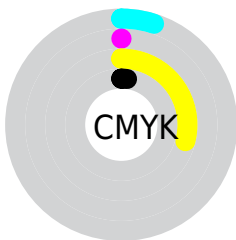
# Distribution



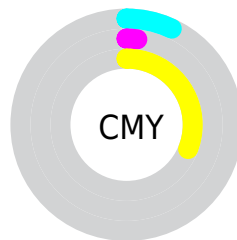
- Red (93%)
- Green (98%)
- Blue (69%)



- Red (69%)
- Yellow (98%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)




- Cyan (7%)
- Magenta (2%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8905, 0.3488, 0.4046 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 88.8905, 0.3488, 0.4046 by changing the saturation by 10% instead.





 88.8905, 0.3488,  
0.4046

 88.8905, 0.3488,  
0.4046

524.4151, 0.3334,  
0.3701

 67.0608, 0.3520,  
0.4123


 145.7963, 0.3437,  
0.3928

 49.1340, 0.3557,  
0.4216

181.6412, 0.3417,  
0.3881

 34.7258, 0.3601,  
0.4333


222.9266, 0.3399,  
0.3841

 23.4517, 0.3653,  
0.4481

270.0369, 0.3383,  
0.3806

 14.9274, 0.3715,  
0.4676

323.3565, 0.3369,  
0.3775

 8.7685, 0.3784,  
0.4938

383.2698, 0.3356,

 4.5905, 0.3858,

0.3748

450.1612, 0.3345,  
0.3723

0.5315

2.0090, 0.3986,  
0.6014

0.6127, 0.2523,  
0.7477

88.8905, 0.3488,  
0.4046

88.8905, 0.3488,  
0.4046

87.2999, 0.3604,  
0.4308

90.6859, 0.3365,  
0.3781

85.8923, 0.3709,  
0.4557

92.6835, 0.3241,  
0.3522

84.6607, 0.3796,  
0.4782

94.8960, 0.3119,  
0.3274

83.5929, 0.3860,  
0.4973

95.9341, 0.3120,  
0.3233

■ 82.6749, 0.3899,  
0.5121

■ 96.2389, 0.3130,  
0.3233

■ 81.8902, 0.3911,  
0.5222

■ 81.2136, 0.3901,  
0.5282

■ 81.1702, 0.3900,  
0.5285

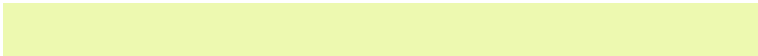
# Harmonies

## Analogous

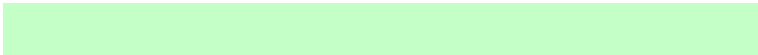
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8905, 0.3818, 0.3928



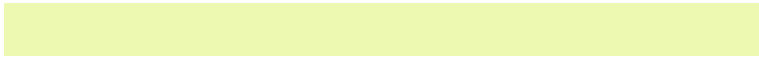
88.8905, 0.3488, 0.4046



88.8905, 0.3075, 0.3931

# Triad

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



88.8905, 0.3488, 0.4046



88.8905, 0.2355, 0.2845



88.8905, 0.3556, 0.2996

# Complementary

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



88.8905, 0.3488, 0.4046



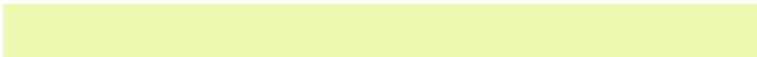
48.5719, 0.2693, 0.2452

# 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.



88.8905, 0.3136, 0.2748



88.8905, 0.3488, 0.4046



88.8905, 0.2462, 0.2649

# Square

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



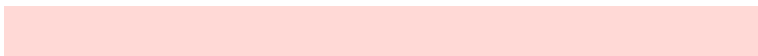
88.8905, 0.3488, 0.4046



88.8905, 0.2436, 0.3189



88.8905, 0.2738, 0.2621



88.8905, 0.3868, 0.3319

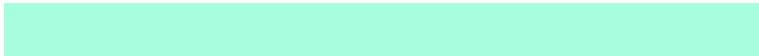


# Rectangle

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



88.8905, 0.3488, 0.4046



88.8905, 0.2810, 0.3729



88.8905, 0.2738, 0.2621



88.8905, 0.3422, 0.2902

# Sweetspot

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



88.8945, 0.3488, 0.4046



97.8993, 0.3237, 0.3514



58.7861, 0.3750, 0.3409



20.8855, 0.3255, 0.3551



0.0000, 0.0000, 0.0000

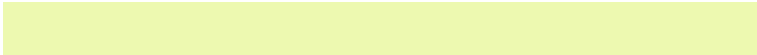


21.4041, 0.3127, 0.3290



# Same Dimension

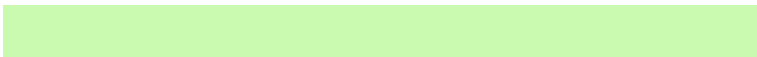
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8945, 0.3488, 0.4046



92.8425, 0.3555, 0.4197



83.3845, 0.3248, 0.4107



20.0376, 0.3243, 0.3526



43.4977, 0.3905, 0.5281



4.0659, 0.3941, 0.5253



# Inverse Universe

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



48.5719, 0.2693, 0.2452



44.1585, 0.2591, 0.2262



53.6399, 0.2960, 0.2513



16.7803, 0.3005, 0.3046



3.9535, 0.1570, 0.0639

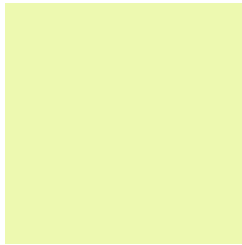


0.4041, 0.1665, 0.0691



# Previews

## White Background



This preview shows how the Yxy color 88.8905, 0.3488, 0.4046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

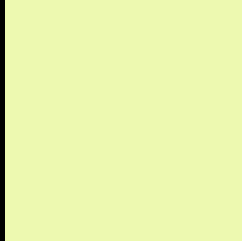
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8905, 0.3488, 0.4046 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

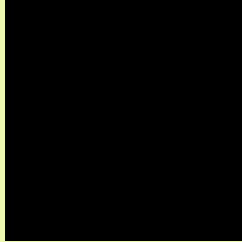
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.8905, 0.3488, 0.4046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8905, 0.3488, 0.4046.

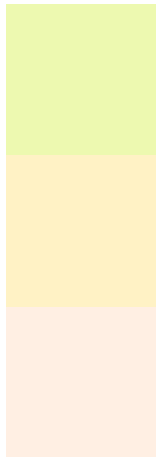


This preview shows how white text looks on a background with the Yxy color 88.8905, 0.3488, 0.4046.

# 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

88.8905, 0.3488, 0.4046

### Protanopia

88.7955, 0.3498, 0.3740

### Deuteranopia

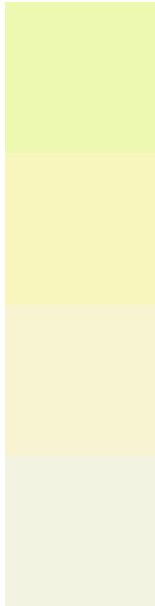
88.5391, 0.3310, 0.3409



## Tritanopia

88.7272, 0.3082, 0.3134

# Trichromacy



## Original Color

88.8905, 0.3488, 0.4046

## Protanomaly

88.9354, 0.3494, 0.3858

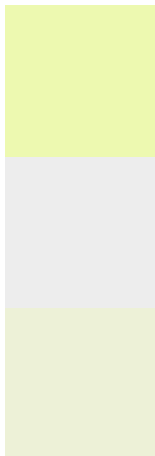
## Deuteranomaly

88.6117, 0.3378, 0.3643

## Tritanomaly

88.6469, 0.3231, 0.3462

# Monochromacy



## Original Color

88.8905, 0.3488, 0.4046

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.8214, 0.3261, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8905, 0.3488, 0.4046 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(237, 249, 176)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 176)  
}
```

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(237, 249, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8905, 0.3488, 0.4046 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(237, 249, 176) }
```

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

```
.border{ border-color:rgb(237, 249, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 249, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 249, 176); box-shadow:4px 4px 4px 4px rgb(237, 249, 176) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8905, 0.3488, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 176) }
```

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

```
.background{ background-color: rgb(237,  
249, 176) }
```

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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