

Converting Colors

$Yxy(87.0980, 0.3592, 0.4223)$

Have a look what the booklet for
Yxy(87.0980, 0.3592, 0.4223)
contains.

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Color

Yxy(87.4363, 0.3590, 0.4222)

Conversions

Conversions Part 1

Format	Color
Hex	ECF89E
RGB	236, 248, 158
RGB Percent	93%, 97%, 62%
CMY	0.0743, 0.0275, 0.3803
CMYK	0.05, 0.00, 0.36, 0.03
HSL	68°, 87%, 80%
HSV	68°, 36%, 97%
XYZ	74.3478, 87.4363, 45.3128
YIQ	234.1520, 21.7380, -30.5340

Conversions

Conversions Part 2

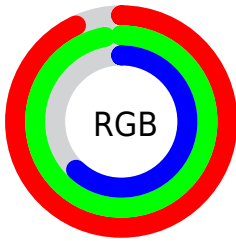
Format	Color
RYB	158, 248, 170
Decimal	15530142
CIELab	94.92, -17.42, 41.93
CIELCh	95, 45.403, 112.564
Yxy	87.4363, 0.3590, 0.4222
Android (android.graphics.Color)	4293720222 (0xFFECEF89E)
YUV	234.1520, -37.5429, 1.6207
Hunter-Lab	93.5074, -21.7124, 36.7238

Details

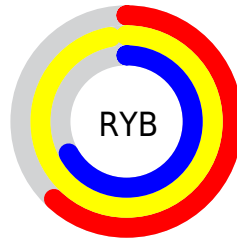
The Yxy color **87.4363, 0.3590, 0.4222** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.7757, 0.2547, 0.2215**, and the grayscale version is **82.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **48.3029, 0.3673, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **86.1129, 0.3704, 0.4471**, and if you desaturate by 10%, it is **88.9502, 0.3465, 0.3962**.

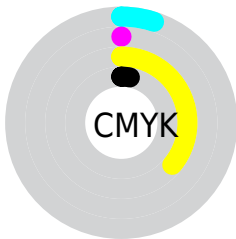
Distribution



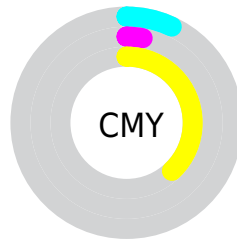
- Red (93%)
- Green (97%)
- Blue (62%)



- Red (62%)
- Yellow (97%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (3%)




- Cyan (7%)
- Magenta (3%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4363, 0.3590, 0.4222 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 87.4363, 0.3590, 0.4222 by changing the saturation by 10% instead.


 87.4363, 0.3590,
0.4222

 87.4363, 0.3590,
0.4222


519.6555, 0.3395,
0.3797

 65.8563, 0.3629,
0.4316


 143.7721, 0.3527,
0.4077

 48.1558, 0.3674,
0.4430


 179.2967, 0.3501,
0.4020

 33.9503, 0.3726,
0.4571


220.2384, 0.3478,
0.3970

 22.8554, 0.3785,
0.4748

266.9814, 0.3458,
0.3927

 14.4868, 0.3849,
0.4976

319.9102, 0.3440,
0.3888

 8.4600, 0.3910,
0.5272


379.4093, 0.3424,


 4.3907, 0.4063,

0.3855


0.5840


445.8629, 0.3409,
0.3824


 1.8944, 0.3844,
0.6156

 0.5450, 0.1454,
0.8546


 87.4363, 0.3590,
0.4222


 87.4363, 0.3590,
0.4222


 86.1129, 0.3704,
0.4471


 88.9502, 0.3465,
0.3962


 84.9577, 0.3803,
0.4699


 90.6525, 0.3336,
0.3700


 83.9631, 0.3881,
0.4894


 92.5560, 0.3207,
0.3445

 83.1160, 0.3934,
0.5049


 94.5256, 0.3094,
0.3222

 82.4010, 0.3960,
0.5158

 95.1355, 0.3114,
0.3223

 81.7989, 0.3961,
0.5223

 95.6072, 0.3130,
0.3223

 81.5927, 0.3957,
0.5240

Harmonies

Analogous

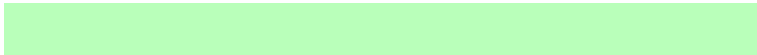
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4363, 0.3987, 0.4044



87.4363, 0.3590, 0.4222



87.4363, 0.3087, 0.4109

Triad

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



87.4363, 0.3590, 0.4222



87.4363, 0.2195, 0.2760



87.4363, 0.3622, 0.2909

Complementary

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



87.4363, 0.3590, 0.4222



39.7757, 0.2547, 0.2215

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.



87.4363, 0.3100, 0.2622



87.4363, 0.3590, 0.4222



87.4363, 0.2308, 0.2520

Square

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



87.4363, 0.3590, 0.4222



87.4363, 0.2301, 0.3189



87.4363, 0.2625, 0.2480



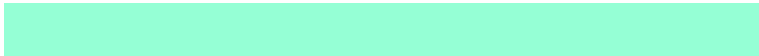
87.4363, 0.4022, 0.3289

Rectangle

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



87.4363, 0.3590, 0.4222



87.4363, 0.2763, 0.3865



87.4363, 0.2625, 0.2480



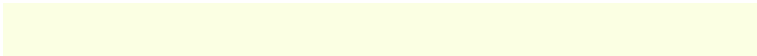
87.4363, 0.3453, 0.2800

Sweetspot

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



87.4402, 0.3590, 0.4222



97.6250, 0.3268, 0.3564



50.6189, 0.3969, 0.3406



20.8371, 0.3285, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

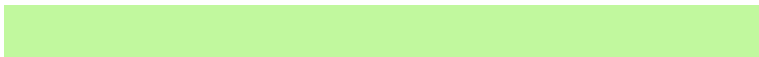
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4402, 0.3590, 0.4222



92.0452, 0.3680, 0.4418



80.8691, 0.3291, 0.4320



20.0673, 0.3248, 0.3526



44.1260, 0.3961, 0.5237



4.1182, 0.3991, 0.5213

Inverse Universe

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



39.7757, 0.2547, 0.2215



34.0406, 0.2395, 0.1946



45.4571, 0.2884, 0.2310



16.7533, 0.2999, 0.3046



3.8679, 0.1550, 0.0628



0.3914, 0.1634, 0.0674

Previews

White Background



This preview shows how the Yxy color 87.4363, 0.3590, 0.4222 looks on a white background.

Color Contrast Check

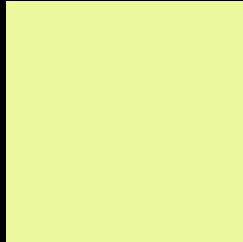
Large Text (above 18pt) WCAG AA × Fail

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 87.4363, 0.3590, 0.4222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

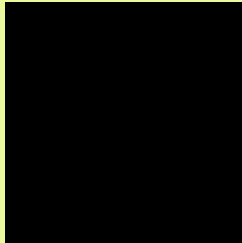
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

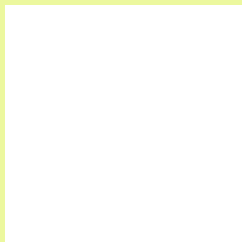
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4363, 0.3590, 0.4222

Background



This preview shows how black text looks on a background with the Yxy color 87.4363, 0.3590, 0.4222.

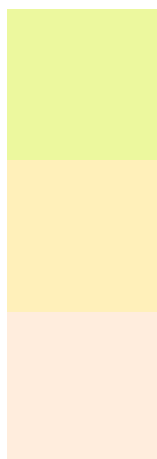


This preview shows how white text looks on a background with the Yxy color 87.4363, 0.3590, 0.4222.

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

87.4363, 0.3590, 0.4222

Protanopia

87.1253, 0.3574, 0.3832

Deuteranopia

87.0488, 0.3351, 0.3449



Tritanopia

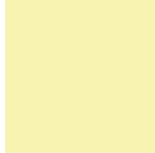
87.1674, 0.3090, 0.3104

Trichromacy



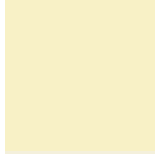
Original Color

87.4363, 0.3590, 0.4222



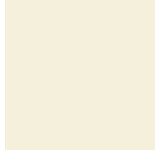
Protanomaly

87.1922, 0.3580, 0.3971



Deuteranomaly

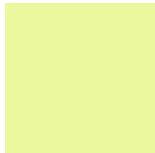
86.9443, 0.3445, 0.3727



Tritanomaly

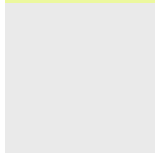
86.7206, 0.3278, 0.3493

Monochromacy



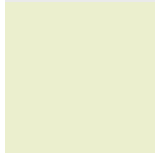
Original Color

87.4363, 0.3590, 0.4222



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.8514, 0.3306, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4363, 0.3590, 0.4222 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(236, 248, 158)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 158)  
}
```

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(236, 248, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 158) }
```

Border

The CSS property to change the border of an element to Yxy 87.4363, 0.3590, 0.4222 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(236, 248, 158) }
```

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

```
.border{ border-color:rgb(236, 248, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 248, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 248, 158); box-shadow:4px 4px 4px 4px rgb(236, 248, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4363, 0.3590, 0.4222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 158) }
```

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

```
.background{ background-color: rgb(236,  
248, 158) }
```

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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