

Converting Colors

$Yxy(87.7081, 0.3593, 0.4191)$

Have a look what the booklet for
Yxy(87.7081, 0.3593, 0.4191)
contains.

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Color

Yxy(87.8500, 0.3592, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	EEF8A0
RGB	238, 248, 160
RGB Percent	93%, 97%, 63%
CMY	0.0667, 0.0274, 0.3726
CMYK	0.04, 0.00, 0.35, 0.03
HSL	67°, 86%, 80%
HSV	67°, 35%, 97%
XYZ	75.1685, 87.8500, 46.2479
YIQ	234.9780, 22.2880, -29.4880

Conversions

Conversions Part 2

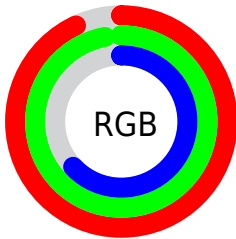
Format	Color
RYB	160, 248, 170
Decimal	15661216
CIELab	95.10, -16.49, 41.21
CIELCh	95, 44.383, 111.805
Yxy	87.8500, 0.3592, 0.4198
Android (android.graphics.Color)	4293851296 (0xFFEEF8A0)
YUV	234.9780, -36.9642, 2.6503
Hunter-Lab	93.7283, -20.8707, 36.3547

Details

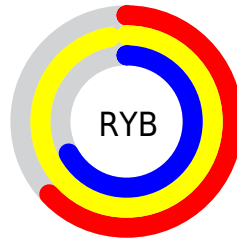
The Yxy color **87.8500, 0.3592, 0.4198** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.4647, 0.2550, 0.2239**, and the grayscale version is **83.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **48.5846, 0.3677, 0.4405** is the 20% darker color. If you saturate the color by 10%, you get **86.5858, 0.3711, 0.4446**, and if you desaturate by 10%, it is **89.3029, 0.3463, 0.3939**.

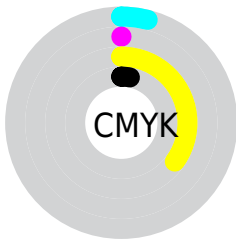
Distribution



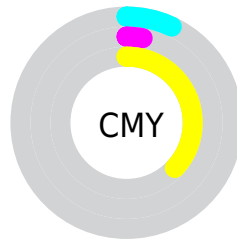
- Red (93%)
- Green (97%)
- Blue (63%)



- Red (63%)
- Yellow (97%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (35%)
- Black (3%)




- Cyan (7%)
- Magenta (3%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8500, 0.3592, 0.4198 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 87.8500, 0.3592, 0.4198 by changing the saturation by 10% instead.


 87.8500, 0.3592,
0.4198

 87.8500, 0.3592,
0.4198


521.0119, 0.3396,
0.3785

 66.1988, 0.3631,
0.4289

 144.3483, 0.3528,
0.4057

 48.4338, 0.3677,
0.4400


 179.9643, 0.3502,
0.4001

 34.1706, 0.3730,
0.4537


221.0039, 0.3479,
0.3953

 23.0247, 0.3791,
0.4709

267.8517, 0.3459,
0.3911

 14.6117, 0.3859,
0.4929

320.8920, 0.3440,
0.3874

 8.5473, 0.3926,
0.5217

380.5092, 0.3424,

 4.4471, 0.4071,

0.3841

0.5742

447.0877, 0.3409,
0.3811

■ 1.9267, 0.3907,
0.6093

■ 0.5644, 0.1918,
0.8082

■ 87.8500, 0.3592,
0.4198

■ 87.8500, 0.3592,
0.4198

■ 86.5858, 0.3711,
0.4446

■ 89.3029, 0.3463,
0.3939

■ 85.4881, 0.3815,
0.4672

■ 90.9422, 0.3331,
0.3679

■ 84.5492, 0.3898,
0.4867


■ 92.7806, 0.3198,
0.3425

■ 83.7564, 0.3956,
0.5021


■ 94.5533, 0.3094,
0.3223


 83.0944, 0.3987,
0.5130

 95.0770, 0.3112,
0.3223

 82.5445, 0.3993,
0.5194

 95.6085, 0.3130,
0.3223

 82.3206, 0.3991,
0.5213

 95.6213, 0.3130,
0.3223

Harmonies

Analogous

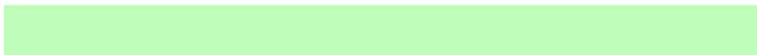
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8500, 0.3975, 0.4021



87.8500, 0.3592, 0.4198



87.8500, 0.3102, 0.4095

Triad

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



87.8500, 0.3592, 0.4198



87.8500, 0.2215, 0.2782



87.8500, 0.3598, 0.2909

Complementary

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



87.8500, 0.3592, 0.4198



40.4647, 0.2550, 0.2239

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.



87.8500, 0.3088, 0.2631



87.8500, 0.3592, 0.4198



87.8500, 0.2320, 0.2541

Square

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



87.8500, 0.3592, 0.4198



87.8500, 0.2325, 0.3205



87.8500, 0.2626, 0.2496



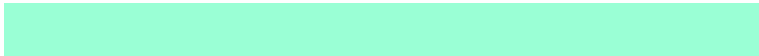
87.8500, 0.3994, 0.3280

Rectangle

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



87.8500, 0.3592, 0.4198



87.8500, 0.2783, 0.3861



87.8500, 0.2626, 0.2496



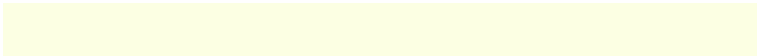
87.8500, 0.3432, 0.2803

Sweetspot

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



87.8539, 0.3592, 0.4198



97.7225, 0.3271, 0.3564



50.7955, 0.3949, 0.3388



20.8605, 0.3289, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

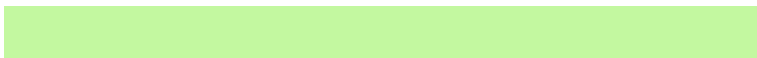
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8539, 0.3592, 0.4198



92.5433, 0.3683, 0.4387



81.3077, 0.3298, 0.4292



20.0845, 0.3251, 0.3526



44.5047, 0.3994, 0.5211



4.1495, 0.4019, 0.5191

Inverse Universe

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



40.4647, 0.2550, 0.2239



34.8305, 0.2400, 0.1976



46.0336, 0.2879, 0.2329



16.7376, 0.2997, 0.3046



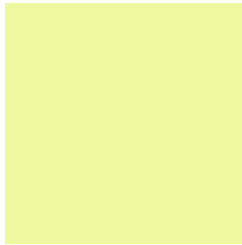
3.8259, 0.1540, 0.0622



0.3841, 0.1616, 0.0664

Previews

White Background



This preview shows how the Yxy color 87.8500, 0.3592, 0.4198 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 87.8500, 0.3592, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

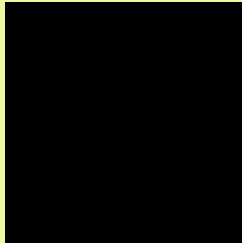
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8500, 0.3592, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 87.8500, 0.3592, 0.4198.

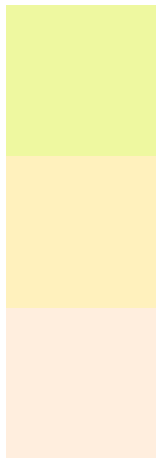


This preview shows how white text looks on a background with the Yxy color 87.8500, 0.3592, 0.4198.

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

87.8500, 0.3592, 0.4198

Protanopia

87.8447, 0.3552, 0.3811

Deuteranopia

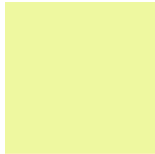
87.6830, 0.3343, 0.3449



Tritanopia

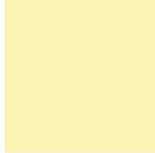
87.5349, 0.3103, 0.3105

Trichromacy



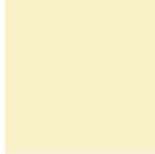
Original Color

87.8500, 0.3592, 0.4198



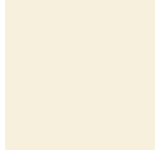
Protanomaly

88.0555, 0.3572, 0.3959



Deuteranomaly

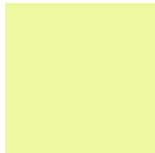
87.7675, 0.3444, 0.3725



Tritanomaly

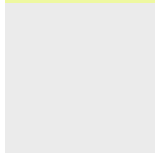
87.0803, 0.3292, 0.3492

Monochromacy



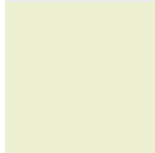
Original Color

87.8500, 0.3592, 0.4198



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7071, 0.3299, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8500, 0.3592, 0.4198 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(238, 248, 160)` looks like.

```
.text, #text, p{  
    color:rgb(238, 248, 160)  
}
```

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(238, 248, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 248, 160) }
```

Border

The CSS property to change the border of an element to Yxy 87.8500, 0.3592, 0.4198 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(238, 248, 160) }
```

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

```
.border{ border-color:rgb(238, 248, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 248, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 248, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 248, 160);  
box-shadow:4px 4px 4px 4px rgb(238, 248,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8500, 0.3592, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 248, 160) }
```

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

```
.background{ background-color: rgb(238,  
248, 160) }
```

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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