

Converting Colors

$Yxy(89.3011, 0.3428, 0.3942)$

Have a look what the booklet for
Yxy(89.3011, 0.3428, 0.3942)
contains.

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Color

Yxy(89.3011, 0.3428, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	EDF9BA
RGB	237, 249, 186
RGB Percent	93%, 98%, 73%
CMY	0.0706, 0.0235, 0.2707
CMYK	0.05, 0.00, 0.25, 0.02
HSL	71°, 84%, 85%
HSV	71°, 25%, 98%
XYZ	77.6571, 89.3011, 59.5794
YIQ	238.2300, 13.0710, -22.1370

Conversions

Conversions Part 2

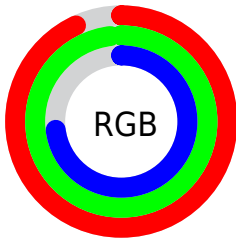
Format	Color
R _Y B	186, 249, 198
Decimal	15595962
CIE Lab	95.71, -14.06, 29.01
CIE LCh	96, 32.240, 115.857
Yxy	89.3011, 0.3428, 0.3942
Android (android.graphics.Color)	4293786042 (0xFFEDF9BA)
YUV	238.2300, -25.7494, -1.0787
Hunter-Lab	94.4993, -18.6870, 28.7686

Details

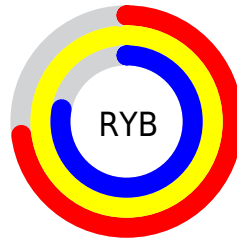
The Yxy color **89.3011, 0.3428, 0.3942** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.9500, 0.2774, 0.2583**, and the grayscale version is **85.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **49.6296, 0.3492, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **87.5299, 0.3543, 0.4209**, and if you desaturate by 10%, it is **91.2864, 0.3309, 0.3677**.

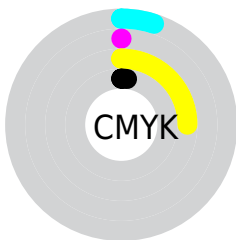
Distribution



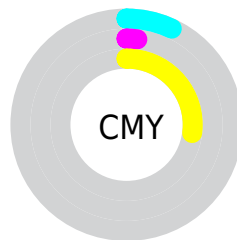
- Red (93%)
- Green (98%)
- Blue (73%)



- Red (73%)
- Yellow (98%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)





- Cyan (7%)
- Magenta (2%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3011, 0.3428, 0.3942 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 89.3011, 0.3428, 0.3942 by changing the saturation by 10% instead.


 89.3011, 0.3428,
0.3942

 89.3011, 0.3428,
0.3942

525.7547, 0.3299,
0.3645

 67.4011, 0.3455,
0.4008


 146.3672, 0.3385,
0.3840

 49.4107, 0.3487,
0.4089


182.3021, 0.3368,
0.3800

 34.9454, 0.3525,
0.4191

223.6842, 0.3353,
0.3766

 23.6208, 0.3571,
0.4320

270.8977, 0.3340,
0.3735

 15.0526, 0.3627,
0.4491

324.3271, 0.3328,
0.3709

 8.8563, 0.3694,
0.4726


384.3568, 0.3317,


 4.6476, 0.3768,


0.3685


0.5062


451.3712, 0.3308,
0.3664

 2.0420, 0.4070,
0.5930


 0.6317, 0.2893,
0.7107


 89.3011, 0.3428,
0.3942


 89.3011, 0.3428,
0.3942


 87.5299, 0.3543,
0.4209

 91.2864, 0.3309,
0.3677

 85.9513, 0.3648,
0.4468

 93.4829, 0.3190,
0.3421

 84.5585, 0.3737,
0.4709

 95.5325, 0.3106,
0.3232

 83.3398, 0.3807,
0.4920

 96.2392, 0.3130,
0.3233

■ 82.2821, 0.3851,
0.5092

■ 81.3700, 0.3870,
0.5217

■ 80.5844, 0.3863,
0.5296

■ 80.2472, 0.3854,
0.5322

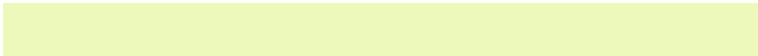
Harmonies

Analogous

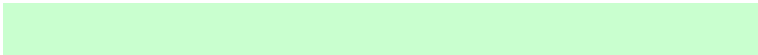
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3011, 0.3718, 0.3855



89.3011, 0.3428, 0.3942



89.3011, 0.3068, 0.3830

Triad

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



89.3011, 0.3428, 0.3942



89.3011, 0.2453, 0.2895



89.3011, 0.3515, 0.3046

Complementary

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



89.3011, 0.3428, 0.3942



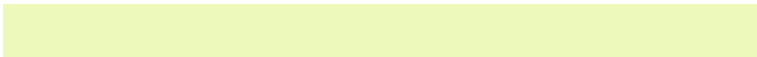
53.9500, 0.2774, 0.2583

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.



89.3011, 0.3154, 0.2823



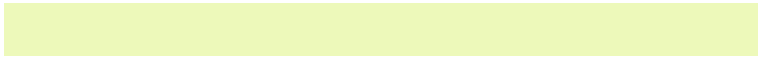
89.3011, 0.3428, 0.3942



89.3011, 0.2554, 0.2727

Square

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



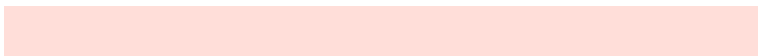
89.3011, 0.3428, 0.3942



89.3011, 0.2517, 0.3191



89.3011, 0.2804, 0.2706



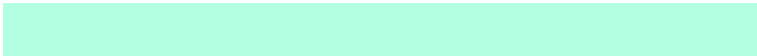
89.3011, 0.3776, 0.3333

Rectangle

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



89.3011, 0.3428, 0.3942



89.3011, 0.2838, 0.3653



89.3011, 0.2804, 0.2706



89.3011, 0.3400, 0.2962

Sweetspot

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



89.3051, 0.3428, 0.3942



98.0244, 0.3221, 0.3489



63.8579, 0.3636, 0.3414



20.9053, 0.3239, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

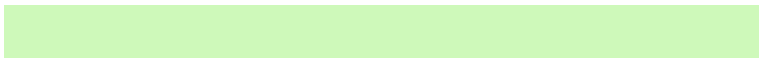
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3051, 0.3428, 0.3942



93.3508, 0.3483, 0.4068



84.4152, 0.3220, 0.3987



20.0136, 0.3239, 0.3526



43.0095, 0.3859, 0.5318



4.0250, 0.3901, 0.5284

Inverse Universe

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



53.9500, 0.2774, 0.2583



50.6100, 0.2695, 0.2432



58.6109, 0.3004, 0.2628



16.8023, 0.3009, 0.3047



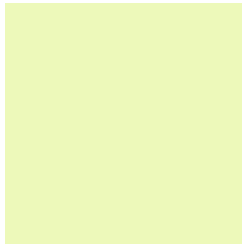
4.0362, 0.1590, 0.0649



0.4149, 0.1692, 0.0706

Previews

White Background



This preview shows how the Yxy color 89.3011, 0.3428, 0.3942 looks on a white background.

Color Contrast Check

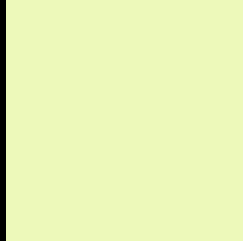
Large Text (above 18pt) WCAG AA × Fail

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 89.3011, 0.3428, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

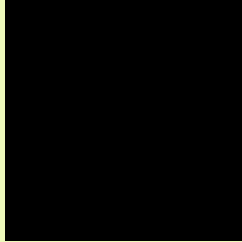
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

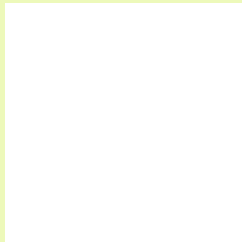
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3011, 0.3428, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 89.3011, 0.3428, 0.3942.

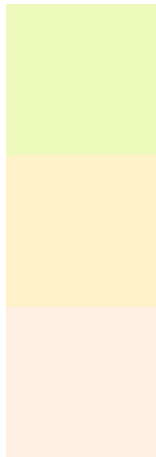


This preview shows how white text looks on a background with the Yxy color 89.3011, 0.3428, 0.3942.

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

89.3011, 0.3428, 0.3942

Protanopia

88.9813, 0.3473, 0.3699

Deuteranopia

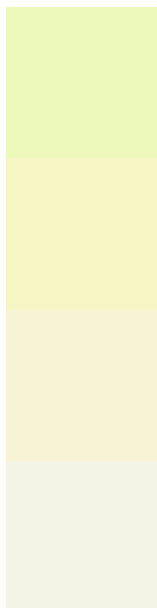
89.2373, 0.3296, 0.3399



Tritanopia

89.1330, 0.3076, 0.3143

Trichromacy



Original Color

89.3011, 0.3428, 0.3942

Protanomaly

89.2468, 0.3450, 0.3786

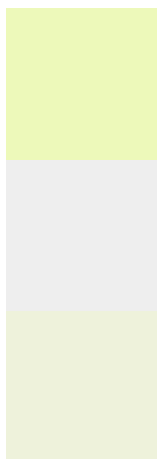
Deuteranomaly

88.8617, 0.3346, 0.3592

Tritanomaly

88.8690, 0.3206, 0.3421

Monochromacy



Original Color

89.3011, 0.3428, 0.3942

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.7959, 0.3242, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3011, 0.3428, 0.3942 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 186) }
```

Border

The CSS property to change the border of an element to Yxy 89.3011, 0.3428, 0.3942 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, 186) }
```

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

```
.border{ border-color:rgb(237, 249, 186) }
```

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, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 249, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 249, 186);  
box-shadow:4px 4px 4px 4px rgb(237, 249,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3011, 0.3428, 0.3942 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, 186) }
```

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

```
.background{ background-color: rgb(237,  
249, 186) }
```

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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