

Converting Colors

$Yxy(86.7990, 0.3592, 0.4059)$

Have a look what the booklet for
Yxy(86.7990, 0.3592, 0.4059)
contains.

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Color

Yxy(86.7990, 0.3592, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	F4F4A9
RGB	244, 244, 169
RGB Percent	96%, 96%, 66%
CMY	0.0432, 0.0431, 0.3373
CMYK	0.00, 0.00, 0.31, 0.04
HSL	60°, 77%, 81%
HSV	60°, 31%, 96%
XYZ	76.8125, 86.7990, 50.2318
YIQ	235.4500, 24.0750, -23.3250

Conversions

Conversions Part 2

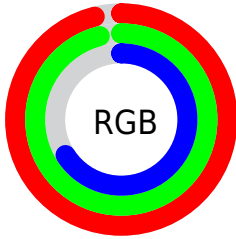
Format	Color
R_{YB}	169, 244, 169
Decimal	16053417
CIE _{Lab}	94.65, -11.22, 36.24
CIE _{LCh}	95, 37.940, 107.204
Yxy	86.7990, 0.3592, 0.4059
Android (android.graphics.Color)	4294243497 (0xFFFF4F4A9)
YUV	235.4500, -32.7598, 7.4984
Hunter-Lab	93.1660, -15.8726, 33.2491

Details

The Yxy color **86.7990, 0.3592, 0.4059** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.3394, 0.2580, 0.2385**, and the grayscale version is **83.6783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **47.7922, 0.3685, 0.4230** is the 20% darker color. If you saturate the color by 10%, you get **85.9682, 0.3737, 0.4299**, and if you desaturate by 10%, it is **87.8087, 0.3440, 0.3808**.

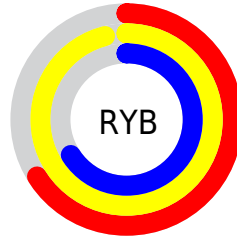
Distribution



Red (96%)

Green (96%)

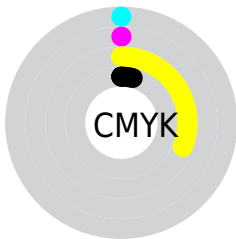
Blue (66%)



Red (66%)

Yellow (96%)

Blue (66%)

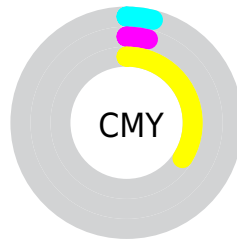


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (4%)



Cyan (4%)


Magenta (4%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7990, 0.3592, 0.4059 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 86.7990, 0.3592, 0.4059 by changing the saturation by 10% instead.

 86.7990, 0.3592,
0.4059

 86.7990, 0.3592,
0.4059


517.5622, 0.3391,
0.3710

 65.3289, 0.3634,
0.4136


 142.8839, 0.3525,
0.3940

 47.7278, 0.3683,
0.4229


178.2676, 0.3499,
0.3893

 33.6114, 0.3743,
0.4345


219.0578, 0.3475,
0.3852

 22.5952, 0.3814,
0.4491

265.6391, 0.3454,
0.3817

 14.2949, 0.3899,
0.4679

318.3957, 0.3436,
0.3786

 8.3261, 0.3998,
0.4928

377.7122, 0.3419,

 4.3043, 0.4143,

0.3758

0.5316

443.9729, 0.3404,
0.3733

■ 1.8452, 0.4214,
0.5786

■ 0.5151, 0.2951,
0.7049

■ 86.7990, 0.3592,
0.4059

■ 86.7990, 0.3592,
0.4059

■ 85.9682, 0.3737,
0.4299

■ 87.8087, 0.3440,
0.3808

■ 85.2949, 0.3869,
0.4518


■ 88.9943, 0.3288,
0.3555


■ 84.7726, 0.3983,
0.4707


■ 90.3679, 0.3138,
0.3308


■ 84.3897, 0.4074,
0.4857


■ 91.1681, 0.3062,
0.3182

 84.1327, 0.4138,
0.4963

 91.1704, 0.3062,
0.3182


 83.9855, 0.4176,
0.5026

 91.1726, 0.3062,
0.3182

 83.9233, 0.4192,
0.5053

 91.1749, 0.3062,
0.3182

 91.1772, 0.3062,
0.3182

 91.1795, 0.3063,
0.3182

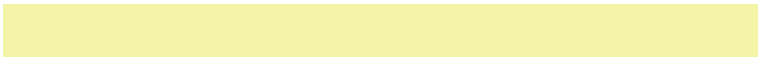
Harmonies

Analogous

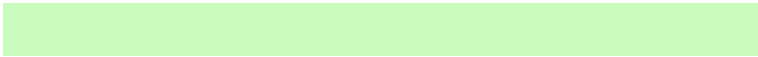
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7990, 0.3894, 0.3888



86.7990, 0.3592, 0.4059



86.7990, 0.3177, 0.4003

Triad

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



86.7990, 0.3592, 0.4059



86.7990, 0.2337, 0.2904



86.7990, 0.3469, 0.2917

Complementary

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



86.7990, 0.3592, 0.4059



43.3394, 0.2580, 0.2385

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.



86.7990, 0.3030, 0.2689



86.7990, 0.3592, 0.4059



86.7990, 0.2400, 0.2664

Square

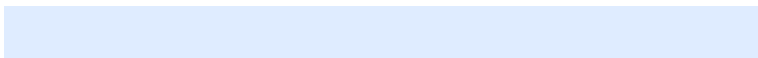
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7990, 0.3592, 0.4059



86.7990, 0.2465, 0.3287



86.7990, 0.2644, 0.2595



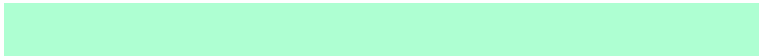
86.7990, 0.3830, 0.3234

Rectangle

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



86.7990, 0.3592, 0.4059



86.7990, 0.2895, 0.3828



86.7990, 0.2644, 0.2595



86.7990, 0.3324, 0.2828

Sweetspot

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



86.8029, 0.3592, 0.4059



98.6068, 0.3261, 0.3512



50.4691, 0.3826, 0.3292



21.0612, 0.3283, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

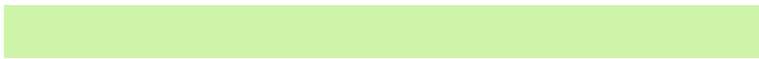
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8029, 0.3592, 0.4059



95.3316, 0.3685, 0.4213



80.7675, 0.3329, 0.4130



19.3132, 0.3268, 0.3524



45.6268, 0.4192, 0.5053



4.0103, 0.4192, 0.5053

Inverse Universe

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



43.3394, 0.2580, 0.2385



40.1334, 0.2446, 0.2164



48.0953, 0.2861, 0.2452



15.9272, 0.2979, 0.3045



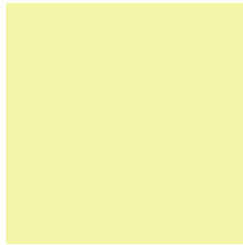
3.5522, 0.1500, 0.0600



0.3123, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 86.7990, 0.3592, 0.4059 looks on a white background.

Color Contrast Check

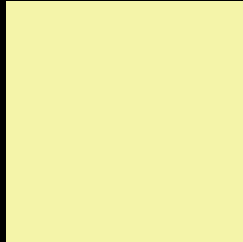
Large Text (above 18pt) WCAG AA × Fail

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 86.7990, 0.3592, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

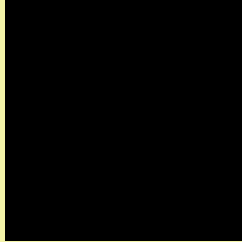
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7990, 0.3592, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 86.7990, 0.3592, 0.4059.



This preview shows how white text looks on a background with the Yxy color 86.7990, 0.3592, 0.4059.

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

86.7990, 0.3592, 0.4059

Protanopia

86.4537, 0.3589, 0.3843

Deuteranopia

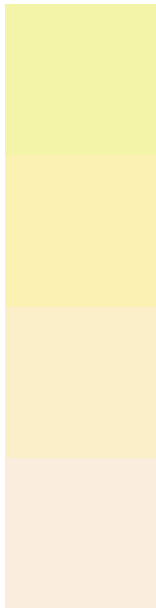
86.4714, 0.3353, 0.3439



Tritanopia

86.3769, 0.3149, 0.3106

Trichromacy



Original Color

86.7990, 0.3592, 0.4059

Protanomaly

86.6745, 0.3588, 0.3918

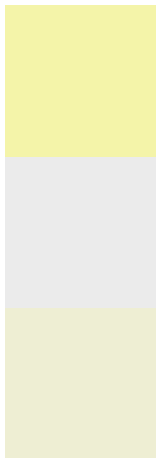
Deuteranomaly

86.5065, 0.3444, 0.3664

Tritanomaly

86.1663, 0.3310, 0.3441

Monochromacy



Original Color

86.7990, 0.3592, 0.4059

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.0294, 0.3296, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7990, 0.3592, 0.4059 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(244, 244, 169)` looks like.

```
.text, #text, p{  
    color:rgb(244, 244, 169)  
}
```

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(244, 244, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 244, 169) }
```

Border

The CSS property to change the border of an element to Yxy 86.7990, 0.3592, 0.4059 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(244, 244, 169) }
```

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

```
.border{ border-color:rgb(244, 244, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 244, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 244, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 244, 169);  
box-shadow:4px 4px 4px 4px rgb(244, 244,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7990, 0.3592, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 244, 169) }
```

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

```
.background{ background-color: rgb(244,  
244, 169) }
```

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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