

Converting Colors

$Y_{xy}(84.4002, 0.3550, 0.3908)$

Have a look what the booklet for
Yxy(84.4002, 0.3550, 0.3908)
contains.

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Color

Yxy(84.4002, 0.3550, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	F5EFB3
RGB	245, 239, 179
RGB Percent	96%, 94%, 70%
CMY	0.0391, 0.0628, 0.2980
CMYK	0.00, 0.02, 0.27, 0.04
HSL	55°, 77%, 83%
HSV	55°, 27%, 96%
XYZ	76.6686, 84.4002, 54.8990
YIQ	233.9540, 22.8360, -17.3880

Conversions

Conversions Part 2

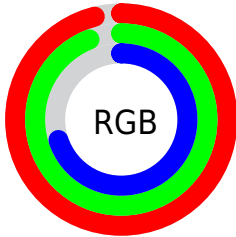
Format	Color
R_{YB}	186, 245, 179
Decimal	16117683
CIE Lab	93.62, -7.08, 29.82
CIE LCh	94, 30.652, 103.351
Yxy	84.4002, 0.3550, 0.3908
Android (android.graphics.Color)	4294307763 (0xFFF5EFB3)
YUV	233.9540, -27.0923, 9.6873
Hunter-Lab	91.8696, -11.8069, 28.8785

Details

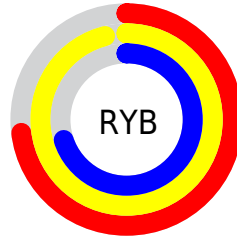
The Yxy color **84.4002, 0.3550, 0.3908** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.8952, 0.2664, 0.2586**, and the grayscale version is **82.4445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **46.0647, 0.3637, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **82.1948, 0.3712, 0.4136**, and if you desaturate by 10%, it is **86.8057, 0.3388, 0.3675**.

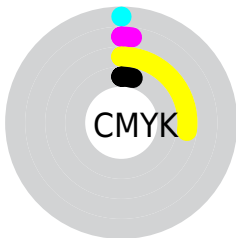
Distribution



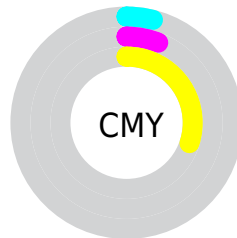
- Red (96%)
- Green (94%)
- Blue (70%)



- Red (73%)
- Yellow (96%)
- Blue (70%)



- Cyan (0%)
- Magenta (2%)
- Yellow (27%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4002, 0.3550, 0.3908 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 84.4002, 0.3550, 0.3908 by changing the saturation by 10% instead.


 84.4002, 0.3550,
0.3908

 84.4002, 0.3550,
0.3908


509.6413, 0.3363,
0.3627

 63.3459, 0.3590,
0.3970


 139.5349, 0.3487,
0.3812

 46.1211, 0.3638,
0.4046


174.3840, 0.3462,
0.3774

 32.3414, 0.3697,
0.4141


214.6002, 0.3440,
0.3742

 21.6224, 0.3770,
0.4261

260.5679, 0.3421,
0.3713

 13.5797, 0.3861,
0.4418

312.6715, 0.3404,
0.3688

 7.8289, 0.3977,
0.4629

371.2953, 0.3389,

 3.9857, 0.4127,

0.3665

0.4930

436.8237, 0.3376,
0.3645

■ 1.6656, 0.4448,
0.5552

■ 0.4012, 0.3420,
0.6580

■ 84.4002, 0.3550,
0.3908

■ 84.4002, 0.3550,
0.3908

■ 82.1948, 0.3712,
0.4136

■ 86.8057, 0.3388,
0.3675

■ 80.1686, 0.3867,
0.4351

■ 89.4085, 0.3232,
0.3445

■ 78.3153, 0.4011,
0.4541

■ 92.2206, 0.3083,
0.3224

■ 76.6234, 0.4136,
0.4698

■ 93.7492, 0.3068,
0.3221

■ 75.0801, 0.4237,
0.4814

■ 95.1353, 0.3067,
0.3243

■ 73.6703, 0.4310,
0.4884

■ 96.5380, 0.3067,
0.3265

■ 72.3747, 0.4355,
0.4912

■ 97.9573, 0.3066,
0.3287

■ 71.9928, 0.4366,
0.4915

■ 98.1588, 0.3066,
0.3290

Harmonies

Analogous

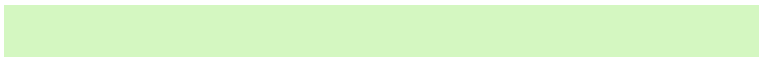
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4002, 0.3775, 0.3759



84.4002, 0.3550, 0.3908



84.4002, 0.3218, 0.3881

Triad

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



84.4002, 0.3550, 0.3908



84.4002, 0.2479, 0.3015



84.4002, 0.3363, 0.2953

Complementary

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



84.4002, 0.3550, 0.3908



50.8952, 0.2664, 0.2586

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.



84.4002, 0.3005, 0.2774



84.4002, 0.3550, 0.3908



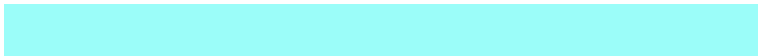
84.4002, 0.2511, 0.2795

Square

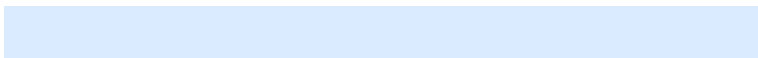
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4002, 0.3550, 0.3908



84.4002, 0.2608, 0.3336



84.4002, 0.2698, 0.2715



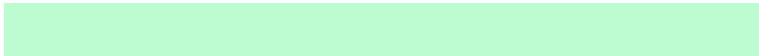
84.4002, 0.3669, 0.3212

Rectangle

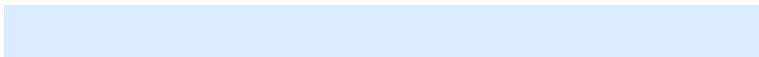
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4002, 0.3550, 0.3908



84.4002, 0.2984, 0.3756



84.4002, 0.2698, 0.2715



84.4002, 0.3244, 0.2882

Sweetspot

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



84.4040, 0.3550, 0.3908



97.5703, 0.3248, 0.3469



55.1892, 0.3653, 0.3220



20.7898, 0.3271, 0.3504



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.



84.4040, 0.3550, 0.3908



91.1427, 0.3633, 0.4026



83.5825, 0.3351, 0.4007



19.0391, 0.3271, 0.3503



38.8799, 0.4363, 0.4918



3.4915, 0.4339, 0.4937

Inverse Universe

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



50.8952, 0.2664, 0.2586



49.1422, 0.2563, 0.2428



51.8751, 0.2850, 0.2554



16.1703, 0.2979, 0.3068



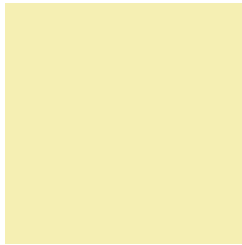
3.9533, 0.1517, 0.0660



0.4286, 0.1554, 0.0794

Previews

White Background



This preview shows how the Yxy color 84.4002, 0.3550, 0.3908 looks on a white background.

Color Contrast Check

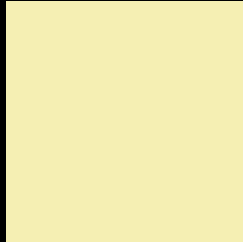
Large Text (above 18pt) WCAG AA × Fail

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 84.4002, 0.3550, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

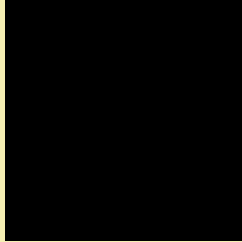
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4002, 0.3550, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 84.4002, 0.3550, 0.3908.



This preview shows how white text looks on a background with the Yxy color 84.4002, 0.3550, 0.3908.

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

84.4002, 0.3550, 0.3908

Protanopia

84.0879, 0.3622, 0.3878

Deuteranopia

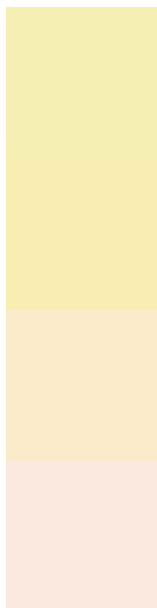
84.4441, 0.3397, 0.3470



Tritanopia

84.4418, 0.3176, 0.3115

Trichromacy



Original Color

84.4002, 0.3550, 0.3908

Protanomaly

84.1067, 0.3597, 0.3892

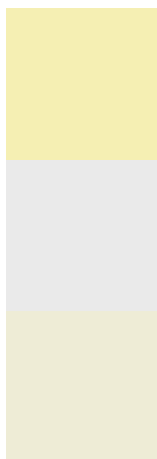
Deuteranomaly

84.1902, 0.3451, 0.3625

Tritanomaly

84.1148, 0.3315, 0.3391

Monochromacy



Original Color

84.4002, 0.3550, 0.3908

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0231, 0.3280, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4002, 0.3550, 0.3908 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(245, 239, 179)` looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 179)  
}
```

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(245, 239, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 179) }
```

Border

The CSS property to change the border of an element to Yxy 84.4002, 0.3550, 0.3908 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(245, 239, 179) }
```

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

```
.border{ border-color:rgb(245, 239, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 239, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 239, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 239, 179);  
box-shadow:4px 4px 4px 4px rgb(245, 239,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4002, 0.3550, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 179) }
```

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

```
.background{ background-color: rgb(245,  
239, 179) }
```

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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