

Converting Colors

Yxy(84.1166, 0.3628, 0.4301)

Have a look what the booklet for
Yxy(84.1166, 0.3628, 0.4301)
contains.

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Color

Yxy(83.9953, 0.3631, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	E8F494
RGB	232, 244, 148
RGB Percent	91%, 96%, 58%
CMY	0.0902, 0.0431, 0.4195
CMYK	0.05, 0.00, 0.39, 0.04
HSL	68°, 81%, 77%
HSV	68°, 39%, 96%
XYZ	70.9767, 83.9953, 40.5023
YIQ	229.4680, 23.6640, -32.4000

Conversions

Conversions Part 2

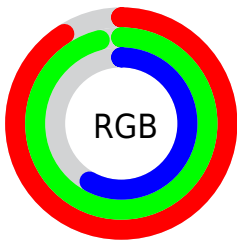
Format	Color
RYB	148, 244, 160
Decimal	15266964
CIELab	93.45, -18.14, 44.87
CIELCh	93, 48.395, 112.010
Yxy	83.9953, 0.3631, 0.4297
Android (android.graphics.Color)	4293457044 (0xFFE8F494)
YUV	229.4680, -40.1637, 2.2206
Hunter-Lab	91.6489, -22.1479, 37.9523

Details

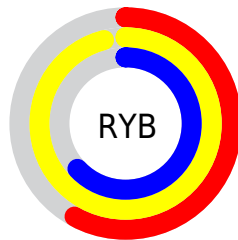
The Yxy color **83.9953, 0.3631, 0.4297** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.2005, 0.2483, 0.2110**, and the grayscale version is **79.0104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **45.9066, 0.3723, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **82.7995, 0.3743, 0.4540**, and if you desaturate by 10%, it is **85.3704, 0.3508, 0.4040**.

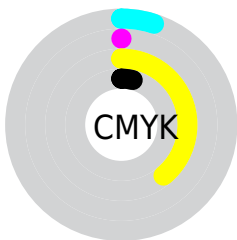
Distribution



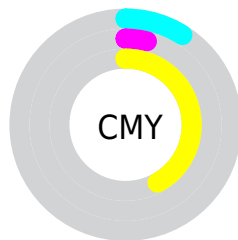
- Red (91%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (63%)



- Cyan (5%)
- Magenta (0%)
- Yellow (39%)
- Black (4%)





- Cyan (9%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9953, 0.3631, 0.4297 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 83.9953, 0.3631, 0.4297 by changing the saturation by 10% instead.

 83.9953, 0.3631,
0.4297


 83.9953, 0.3631,
0.4297


508.2976, 0.3419,
0.3835

 63.0116, 0.3673,
0.4399


 138.9686, 0.3563,
0.4139

 45.8506, 0.3721,
0.4523


 173.7269, 0.3535,
0.4077

 32.1279, 0.3775,
0.4676


213.8456, 0.3510,
0.4023

 21.4592, 0.3836,
0.4868

259.7090, 0.3488,
0.3976

 13.4601, 0.3898,
0.5112

311.7015, 0.3468,
0.3934

 7.7461, 0.3949,
0.5425

370.2075, 0.3450,

 3.9329, 0.4039,

0.3898

0.5961

435.6114, 0.3434,
0.3865

■ 1.6361, 0.3744,
0.6256

■ 0.3818, 0.0000,
1.0000

■ 83.9953, 0.3631,
0.4297

■ 83.9953, 0.3631,
0.4297

■ 82.7995, 0.3743,
0.4540

■ 85.3704, 0.3508,
0.4040

■ 81.7613, 0.3837,
0.4757


■ 86.9230, 0.3378,
0.3779

■ 80.8729, 0.3909,
0.4939


■ 88.6655, 0.3247,
0.3521


■ 80.1212, 0.3955,
0.5079


■ 90.6061, 0.3119,
0.3274

 79.4905, 0.3975,
0.5173


 91.7457, 0.3083,
0.3183

 78.9567, 0.3971,
0.5226

 92.3060, 0.3102,
0.3184

 78.9225, 0.3971,
0.5229

 92.8753, 0.3122,
0.3184

 93.1841, 0.3132,
0.3185

Harmonies

Analogous

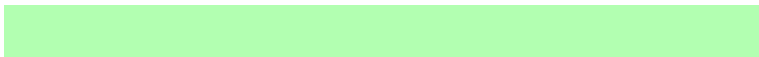
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9953, 0.4058, 0.4092



83.9953, 0.3631, 0.4297



83.9953, 0.3090, 0.4187

Triad

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



83.9953, 0.3631, 0.4297



83.9953, 0.2128, 0.2723



83.9953, 0.3651, 0.2874

Complementary

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



83.9953, 0.3631, 0.4297



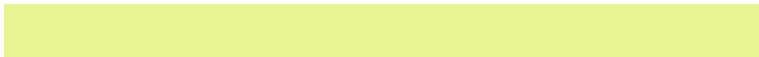
35.2005, 0.2483, 0.2110

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.



83.9953, 0.3085, 0.2571



83.9953, 0.3631, 0.4297



83.9953, 0.2244, 0.2465

Square

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



83.9953, 0.3631, 0.4297



83.9953, 0.2244, 0.3187



83.9953, 0.2578, 0.2422



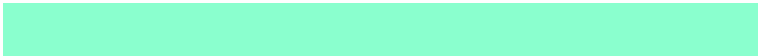
83.9953, 0.4090, 0.3276

Rectangle

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



83.9953, 0.3631, 0.4297



83.9953, 0.2741, 0.3924



83.9953, 0.2578, 0.2422



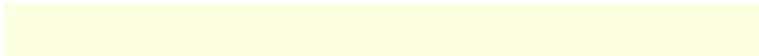
83.9953, 0.3466, 0.2758

Sweetspot

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



83.9991, 0.3631, 0.4297



97.4648, 0.3282, 0.3590



46.2491, 0.4069, 0.3416



20.8065, 0.3299, 0.3623



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

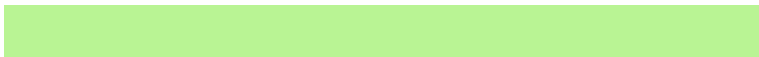
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9991, 0.3631, 0.4297



91.8002, 0.3719, 0.4488



77.1356, 0.3301, 0.4416



19.2023, 0.3249, 0.3525



42.9533, 0.3975, 0.5226



3.8041, 0.4004, 0.5203

Inverse Universe

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



35.2005, 0.2483, 0.2110



31.0873, 0.2328, 0.1840



41.0193, 0.2858, 0.2224



16.0260, 0.2999, 0.3047



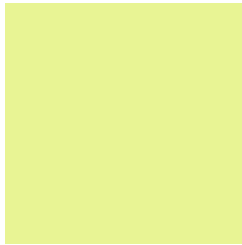
3.7371, 0.1546, 0.0625



0.3595, 0.1632, 0.0673

Previews

White Background



This preview shows how the Yxy color 83.9953, 0.3631, 0.4297 looks on a white background.

Color Contrast Check

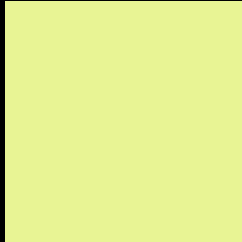
Large Text (above 18pt) WCAG AA × Fail

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 83.9953, 0.3631, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

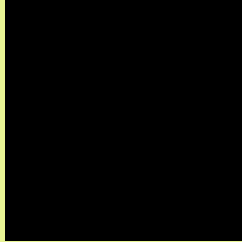
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9953, 0.3631, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 83.9953, 0.3631, 0.4297.

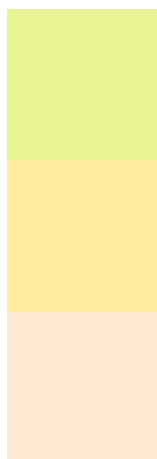


This preview shows how white text looks on a background with the Yxy color 83.9953, 0.3631, 0.4297.

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

83.9953, 0.3631, 0.4297

Protanopia

83.7890, 0.3753, 0.4053

Deuteranopia

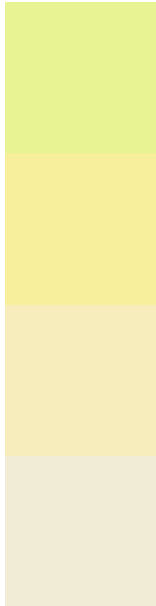
83.6264, 0.3432, 0.3511



Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.9953, 0.3631, 0.4297

Protanomaly

83.9075, 0.3709, 0.4137

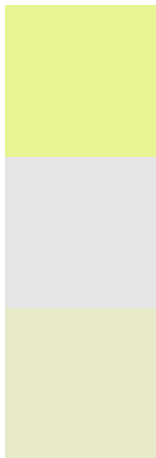
Deuteranomaly

83.3529, 0.3519, 0.3794

Tritanomaly

83.3203, 0.3300, 0.3528

Monochromacy



Original Color

83.9953, 0.3631, 0.4297

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.8388, 0.3316, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9953, 0.3631, 0.4297 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(232, 244, 148)` looks like.

```
.text, #text, p{  
    color:rgb(232, 244, 148)  
}
```

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(232, 244, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 244, 148) }
```

Border

The CSS property to change the border of an element to Yxy 83.9953, 0.3631, 0.4297 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(232, 244, 148) }
```

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

```
.border{ border-color:rgb(232, 244, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 244, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 244, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 244, 148); box-shadow:4px 4px 4px 4px rgb(232, 244, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9953, 0.3631, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 244, 148) }
```

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

```
.background{ background-color: rgb(232,  
244, 148) }
```

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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