

Converting Colors

$Yxy(83.7334, 0.3532, 0.4184)$

Have a look what the booklet for
Yxy(83.7334, 0.3532, 0.4184)
contains.

Yxy(83.7334, 0.3532, 0.4184)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.7334, 0.3532, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	E4F4A0
RGB	228, 244, 160
RGB Percent	89%, 96%, 63%
CMY	0.1060, 0.0431, 0.3724
CMYK	0.07, 0.00, 0.34, 0.04
HSL	71°, 79%, 79%
HSV	71°, 34%, 96%
XYZ	70.6851, 83.7334, 45.7092
YIQ	229.6400, 17.4280, -29.5160

Conversions

Conversions Part 2

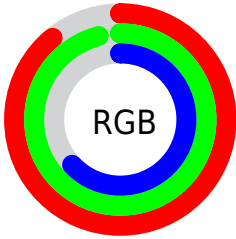
Format	Color
RYB	160, 244, 176
Decimal	15004832
CIELab	93.33, -18.27, 38.75
CIElCh	93, 42.844, 115.238
Yxy	83.7334, 0.3532, 0.4184
Android (android.graphics.Color)	4293194912 (0xFFE4F4A0)
YUV	229.6400, -34.3325, -1.4383
Hunter-Lab	91.5060, -22.2506, 34.4376

Details

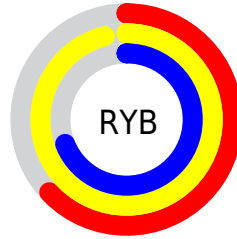
The Yxy color **83.7334, 0.3532, 0.4184** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9257, 0.2619, 0.2289**, and the grayscale version is **79.0999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **45.7986, 0.3613, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **82.2128, 0.3638, 0.4444**, and if you desaturate by 10%, it is **85.4496, 0.3417, 0.3917**.

Distribution



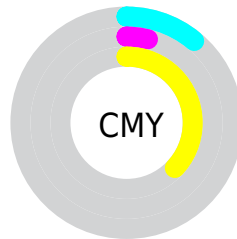
- Red (89%)
- Green (96%)
- Blue (63%)



- Red (63%)
- Yellow (96%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)




- Cyan (11%)
- Magenta (4%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7334, 0.3532, 0.4184 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 83.7334, 0.3532, 0.4184 by changing the saturation by 10% instead.


 83.7334, 0.3532,
0.4184

 83.7334, 0.3532,
0.4184

507.4275, 0.3361,
0.3771

 62.7954, 0.3566,
0.4277


 138.6022, 0.3476,
0.4042

 45.6757, 0.3606,
0.4390


 173.3017, 0.3453,
0.3986

 31.9900, 0.3653,
0.4531


213.3572, 0.3433,
0.3938

 21.3538, 0.3706,
0.4711

259.1530, 0.3416,
0.3896

 13.3829, 0.3764,
0.4946

311.0735, 0.3400,
0.3859

 7.6927, 0.3818,
0.5259

369.5032, 0.3385,

 3.8990, 0.3968,

0.3827

0.5877

434.8264, 0.3372,
0.3797

■ 1.6172, 0.3731,
0.6269

■ 0.3692, 0.0000,
1.0000

■ 83.7334, 0.3532,
0.4184

■ 83.7334, 0.3532,
0.4184

■ 82.2128, 0.3638,
0.4444

■ 85.4496, 0.3417,
0.3917

■ 80.8667, 0.3729,
0.4687


■ 87.3595, 0.3298,
0.3653

■ 79.6876, 0.3801,
0.4901


■ 89.4754, 0.3179,
0.3398


■ 78.6633, 0.3848,
0.5077


■ 91.6340, 0.3079,
0.3183

 77.7794, 0.3869,
0.5207

 92.4906, 0.3108,
0.3184

 77.0181, 0.3864,
0.5291

 93.1893, 0.3132,
0.3185

 76.6320, 0.3853,
0.5322

Harmonies

Analogous

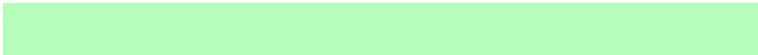
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7334, 0.3926, 0.4039



83.7334, 0.3532, 0.4184



83.7334, 0.3047, 0.4047

Triad

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



83.7334, 0.3532, 0.4184



83.7334, 0.2232, 0.2755



83.7334, 0.3643, 0.2955

Complementary

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



83.7334, 0.3532, 0.4184



40.9257, 0.2619, 0.2289

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.



83.7334, 0.3147, 0.2667



83.7334, 0.3532, 0.4184



83.7334, 0.2359, 0.2539

Square

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



83.7334, 0.3532, 0.4184



83.7334, 0.2316, 0.3153



83.7334, 0.2681, 0.2517



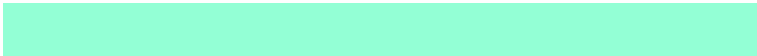
83.7334, 0.4007, 0.3326

Rectangle

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



83.7334, 0.3532, 0.4184



83.7334, 0.2740, 0.3800



83.7334, 0.2681, 0.2517



83.7334, 0.3484, 0.2847

Sweetspot

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



83.7371, 0.3532, 0.4184



97.5527, 0.3245, 0.3540



52.6027, 0.3887, 0.3461



20.8107, 0.3262, 0.3576



0.0000, 0.0000, 0.0000



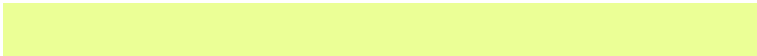
21.4041, 0.3127, 0.3290

Same Dimension

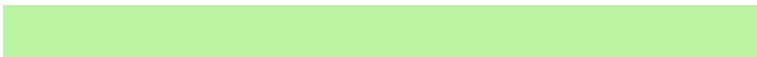
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7371, 0.3532, 0.4184



91.4025, 0.3604, 0.4359



77.7666, 0.3247, 0.4272



19.1442, 0.3239, 0.3526



41.7203, 0.3859, 0.5318



3.7070, 0.3903, 0.5283

Inverse Universe

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



40.9257, 0.2619, 0.2289



37.7704, 0.2498, 0.2064



46.5023, 0.2946, 0.2376



16.0791, 0.3009, 0.3047



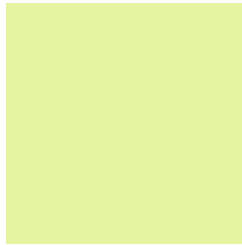
3.9189, 0.1591, 0.0650



0.3847, 0.1699, 0.0710

Previews

White Background



This preview shows how the Yxy color 83.7334, 0.3532, 0.4184 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 83.7334, 0.3532, 0.4184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

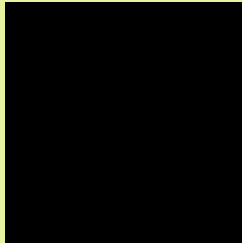
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7334, 0.3532, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 83.7334, 0.3532, 0.4184.

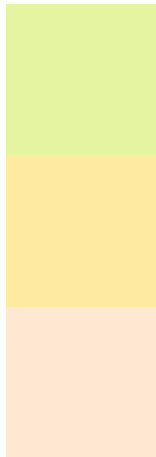


This preview shows how white text looks on a background with the Yxy color 83.7334, 0.3532, 0.4184.

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

83.7334, 0.3532, 0.4184

Protanopia

83.1799, 0.3763, 0.4054

Deuteranopia

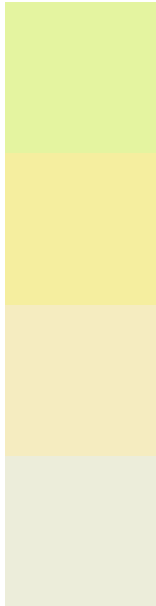
83.6264, 0.3432, 0.3511



Tritanopia

83.7681, 0.3063, 0.3110

Trichromacy



Original Color

83.7334, 0.3532, 0.4184

Protanomaly

83.0648, 0.3679, 0.4103

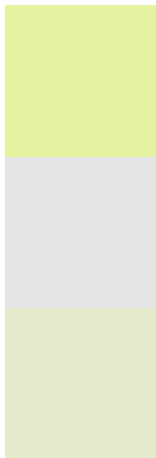
Deuteranomaly

83.2092, 0.3472, 0.3744

Tritanomaly

83.4632, 0.3239, 0.3487

Monochromacy



Original Color

83.7334, 0.3532, 0.4184

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.4825, 0.3276, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7334, 0.3532, 0.4184 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(228, 244, 160)` looks like.

```
.text, #text, p{  
    color:rgb(228, 244, 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(228, 244, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 244, 160) }
```

Border

The CSS property to change the border of an element to Yxy 83.7334, 0.3532, 0.4184 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(228, 244, 160) }
```

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

```
.border{ border-color:rgb(228, 244, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 244, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 244, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 244, 160);  
box-shadow:4px 4px 4px 4px rgb(228, 244,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7334, 0.3532, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 244, 160) }
```

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

```
.background{ background-color: rgb(228,  
244, 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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