

Converting Colors

Yxy(83.6753, 0.3588, 0.4060)

Have a look what the booklet for
Yxy(83.6753, 0.3588, 0.4060)
contains.

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Color

Yxy(83.5986, 0.3593, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	F0F0A6
RGB	240, 240, 166
RGB Percent	94%, 94%, 65%
CMY	0.0588, 0.0588, 0.3489
CMYK	0.00, 0.00, 0.31, 0.06
HSL	60°, 71%, 80%
HSV	60°, 31%, 94%
XYZ	73.9827, 83.5986, 48.3266
YIQ	231.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

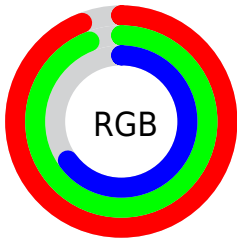
Format	Color
R_{YB}	166, 240, 166
Decimal	15790246
CIE _{Lab}	93.28, -11.08, 35.85
CIE _{LCh}	93, 37.520, 107.172
Yxy	83.5986, 0.3593, 0.4060
Android (android.graphics.Color)	4293980326 (0xFFFF0FA6)
YUV	231.5640, -32.3231, 7.3984
Hunter-Lab	91.4323, -15.5726, 32.6648

Details

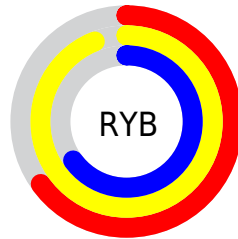
The Yxy color **83.5986, 0.3593, 0.4060** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **41.6886, 0.2579, 0.2383**, and the grayscale version is **80.5907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **45.5405, 0.3688, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **82.8003, 0.3738, 0.4300**, and if you desaturate by 10%, it is **84.5688, 0.3441, 0.3809**.

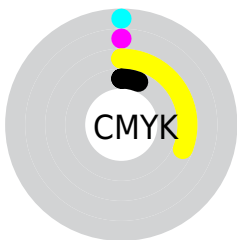
Distribution



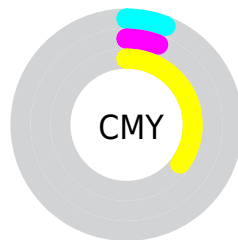
- Red (94%)
- Green (94%)
- Blue (65%)



- Red (65%)
- Yellow (94%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (31%)
- Black (6%)




- Cyan (6%)
- Magenta (6%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5986, 0.3593, 0.4060 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 83.5986, 0.3593, 0.4060 by changing the saturation by 10% instead.


 83.5986, 0.3593,
0.4060


 83.5986, 0.3593,
0.4060


506.9793, 0.3390,
0.3708

 62.6841, 0.3636,
0.4138


 138.4135, 0.3526,
0.3940

 45.5857, 0.3686,
0.4233


 173.0828, 0.3498,
0.3892

 31.9190, 0.3746,
0.4351


213.1057, 0.3475,
0.3851

 21.2996, 0.3819,
0.4501

258.8666, 0.3454,
0.3816

 13.3432, 0.3907,
0.4695

310.7501, 0.3435,
0.3784

 7.6653, 0.4007,
0.4951

369.1405, 0.3419,

 3.8815, 0.4187,

0.3756

0.5397

434.4221, 0.3404,
0.3731

■ 1.6075, 0.4191,
0.5809

■ 0.3627, 0.1700,
0.8300

■ 83.5986, 0.3593,
0.4060

■ 83.5986, 0.3593,
0.4060

■ 82.8003, 0.3738,
0.4300

■ 84.5688, 0.3441,
0.3809

■ 82.1535, 0.3870,
0.4518


■ 85.7080, 0.3289,
0.3557

■ 81.6519, 0.3984,
0.4707

■ 87.0279, 0.3139,
0.3310

■ 81.2841, 0.4075,
0.4856


■ 88.0746, 0.3037,
0.3142

 81.0375, 0.4139,
0.4963


 88.0762, 0.3037,
0.3142

 80.8964, 0.4177,
0.5026

 88.0778, 0.3037,
0.3142

 80.8369, 0.4193,
0.5052

 88.0794, 0.3037,
0.3142

 88.0810, 0.3037,
0.3142

 88.0827, 0.3037,
0.3142

Harmonies

Analogous

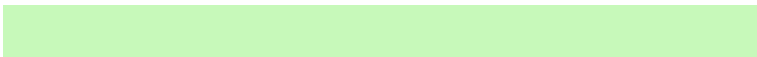
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5986, 0.3896, 0.3889



83.5986, 0.3593, 0.4060



83.5986, 0.3177, 0.4004

Triad

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



83.5986, 0.3593, 0.4060



83.5986, 0.2336, 0.2904



83.5986, 0.3469, 0.2916

Complementary

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



83.5986, 0.3593, 0.4060



41.6886, 0.2579, 0.2383

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.



83.5986, 0.3029, 0.2688



83.5986, 0.3593, 0.4060



83.5986, 0.2399, 0.2663

Square

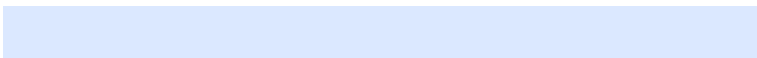
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5986, 0.3593, 0.4060



83.5986, 0.2464, 0.3287



83.5986, 0.2643, 0.2594



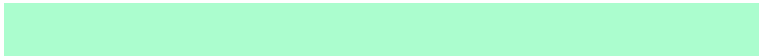
83.5986, 0.3830, 0.3234

Rectangle

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



83.5986, 0.3593, 0.4060



83.5986, 0.2895, 0.3829



83.5986, 0.2643, 0.2594



83.5986, 0.3324, 0.2827

Sweetspot

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



83.6024, 0.3593, 0.4060



98.6074, 0.3261, 0.3512



48.6102, 0.3816, 0.3278



21.0613, 0.3284, 0.3549



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

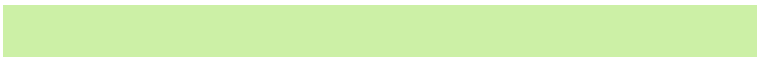
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6024, 0.3593, 0.4060



95.3340, 0.3685, 0.4213



77.9535, 0.3338, 0.4129



18.4587, 0.3268, 0.3523



44.2473, 0.4193, 0.5052



3.6811, 0.4193, 0.5052

Inverse Universe

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



41.6886, 0.2579, 0.2383



40.1321, 0.2446, 0.2164



46.1021, 0.2850, 0.2448



15.2291, 0.2979, 0.3046



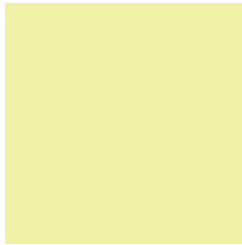
3.4444, 0.1500, 0.0600



0.2866, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 83.5986, 0.3593, 0.4060 looks on a white background.

Color Contrast Check

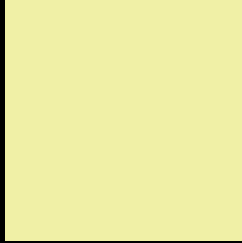
Large Text (above 18pt) WCAG AA × Fail

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 83.5986, 0.3593, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

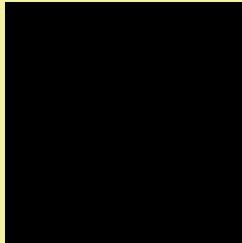
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5986, 0.3593, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 83.5986, 0.3593, 0.4060.

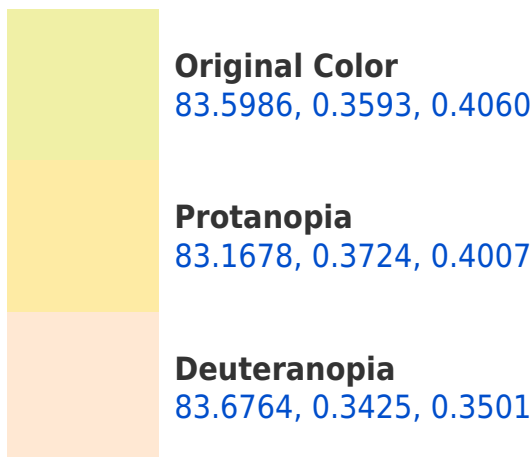


This preview shows how white text looks on a background with the Yxy color 83.5986, 0.3593, 0.4060.

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

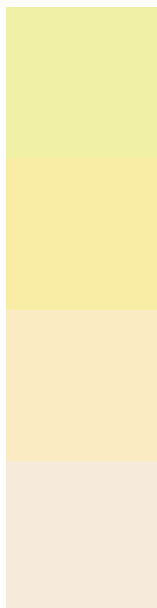




Tritanopia

83.6949, 0.3149, 0.3113

Trichromacy



Original Color

83.5986, 0.3593, 0.4060

Protanomaly

83.4247, 0.3674, 0.4025

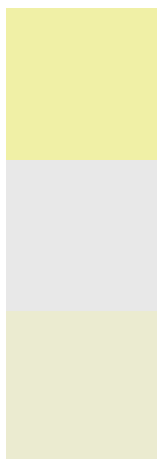
Deuteranomaly

83.6808, 0.3490, 0.3698

Tritanomaly

83.5004, 0.3312, 0.3453

Monochromacy



Original Color

83.5986, 0.3593, 0.4060

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6329, 0.3299, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5986, 0.3593, 0.4060 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(240, 240, 166)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 166)  
}
```

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(240, 240, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 166) }
```

Border

The CSS property to change the border of an element to Yxy 83.5986, 0.3593, 0.4060 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(240, 240, 166) }
```

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

```
.border{ border-color:rgb(240, 240, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 240, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 240, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 240, 166); box-shadow:4px 4px 4px 4px rgb(240, 240, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5986, 0.3593, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 166) }
```

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

```
.background{ background-color: rgb(240,  
240, 166) }
```

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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