

Converting Colors

$Yxy(83.4111, 0.3514, 0.3963)$

Have a look what the booklet for
Yxy(83.4111, 0.3514, 0.3963)
contains.

Yxy(83.4593, 0.3509, 0.3962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.4593, 0.3509, 0.3962)

Conversions

Conversions Part 1

Format	Color
Hex	EDF0B0
RGB	237, 240, 176
RGB Percent	93%, 94%, 69%
CMY	0.0706, 0.0588, 0.3099
CMYK	0.01, 0.00, 0.27, 0.06
HSL	63°, 68%, 82%
HSV	63°, 27%, 94%
XYZ	73.9169, 83.4593, 53.2732
YIQ	231.8070, 18.7560, -20.5400

Conversions

Conversions Part 2

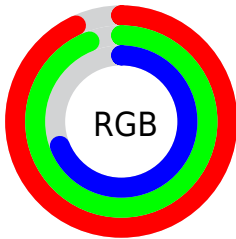
Format	Color
RYB	176, 240, 179
Decimal	15593648
CIELab	93.22, -10.95, 30.71
CIELCh	93, 32.600, 109.630
Yxy	83.4593, 0.3509, 0.3962
Android (android.graphics.Color)	4293783728 (0xFFEDF0B0)
YUV	231.8070, -27.5129, 4.5543
Hunter-Lab	91.3561, -15.4474, 29.3750

Details

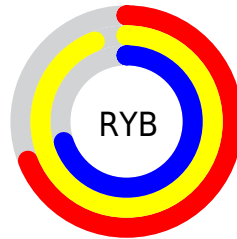
The Yxy color **83.4593, 0.3509, 0.3962** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.9156, 0.2685, 0.2527**, and the grayscale version is **80.7430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **45.4143, 0.3582, 0.4115** is the 20% darker color. If you saturate the color by 10%, you get **82.4013, 0.3649, 0.4212**, and if you desaturate by 10%, it is **84.6939, 0.3365, 0.3706**.

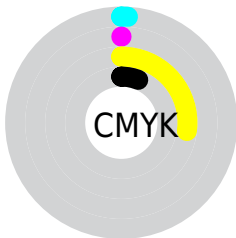
Distribution



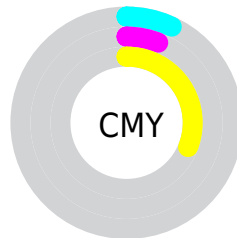
- Red (93%)
- Green (94%)
- Blue (69%)



- Red (69%)
- Yellow (94%)
- Blue (70%)



- Cyan (1%)
- Magenta (0%)
- Yellow (27%)
- Black (6%)





- Cyan (7%)
- Magenta (6%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4593, 0.3509, 0.3962 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 83.4593, 0.3509, 0.3962 by changing the saturation by 10% instead.

 83.4593, 0.3509,
0.3962

 83.4593, 0.3509,
0.3962

506.5160, 0.3342,
0.3654

 62.5691, 0.3545,
0.4031


 138.2186, 0.3453,
0.3856

 45.4927, 0.3587,
0.4116


172.8564, 0.3431,
0.3815

 31.8457, 0.3638,
0.4221


212.8457, 0.3411,
0.3779

 21.2437, 0.3701,
0.4356

258.5707, 0.3394,
0.3747

 13.3022, 0.3778,
0.4534

310.4158, 0.3379,
0.3720

 7.6370, 0.3872,
0.4776

368.7654, 0.3365,

 3.8636, 0.3995,

0.3695

0.5139

434.0040, 0.3353,
0.3674

■ 1.5975, 0.4198,
0.5802

■ 0.3559, 0.1662,
0.8338

■ 83.4593, 0.3509,
0.3962

■ 83.4593, 0.3509,
0.3962

■ 82.4013, 0.3649,
0.4212

■ 84.6939, 0.3365,
0.3706

■ 81.4999, 0.3778,
0.4448

■ 86.1022, 0.3221,
0.3454


■ 80.7492, 0.3892,
0.4659


■ 87.6956, 0.3082,
0.3211


■ 80.1385, 0.3984,
0.4835

■ 88.3389, 0.3047,
0.3142


 79.6556, 0.4051,
0.4970


 88.5393, 0.3054,
0.3142


 79.2863, 0.4092,
0.5060


 88.7410, 0.3061,
0.3143

 79.0128, 0.4108,
0.5108

 88.9439, 0.3069,
0.3143

 78.9335, 0.4110,
0.5119

 89.1481, 0.3076,
0.3143

 89.3535, 0.3083,
0.3144

Harmonies

Analogous

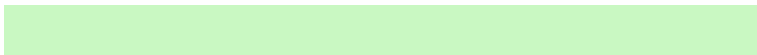
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4593, 0.3782, 0.3834



83.4593, 0.3509, 0.3962



83.4593, 0.3143, 0.3891

Triad

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



83.4593, 0.3509, 0.3962



83.4593, 0.2431, 0.2935



83.4593, 0.3455, 0.2983

Complementary

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



83.4593, 0.3509, 0.3962



46.9156, 0.2685, 0.2527

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.



83.4593, 0.3075, 0.2773



83.4593, 0.3509, 0.3962



83.4593, 0.2501, 0.2732

Square

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



83.4593, 0.3509, 0.3962



83.4593, 0.2532, 0.3261



83.4593, 0.2729, 0.2680



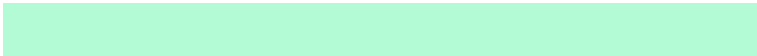
83.4593, 0.3756, 0.3270

Rectangle

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



83.4593, 0.3509, 0.3962



83.4593, 0.2899, 0.3730



83.4593, 0.2729, 0.2680



83.4593, 0.3331, 0.2902

Sweetspot

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



83.4630, 0.3509, 0.3962



98.5730, 0.3240, 0.3487



53.5449, 0.3697, 0.3315



21.0445, 0.3262, 0.3525



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

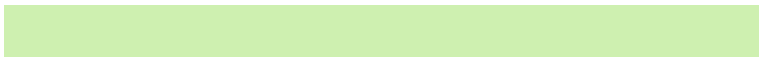
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4630, 0.3509, 0.3962



95.0899, 0.3586, 0.4099



78.5617, 0.3290, 0.4012



18.4188, 0.3261, 0.3524



43.2219, 0.4111, 0.5118



3.6073, 0.4123, 0.5109

Inverse Universe

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



46.9156, 0.2685, 0.2527



46.6372, 0.2578, 0.2346



51.0528, 0.2920, 0.2576



15.2643, 0.2987, 0.3046



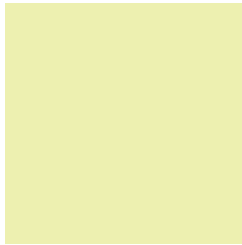
3.4998, 0.1515, 0.0608



0.3036, 0.1553, 0.0629

Previews

White Background



This preview shows how the Yxy color 83.4593, 0.3509, 0.3962 looks on a white background.

Color Contrast Check

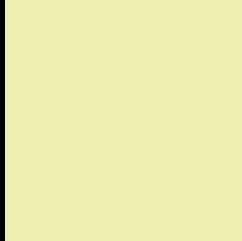
Large Text (above 18pt) WCAG AA × Fail

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 83.4593, 0.3509, 0.3962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

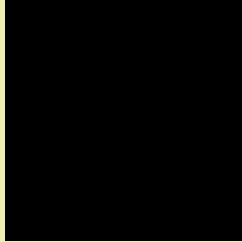
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.4593, 0.3509, 0.3962

Background



This preview shows how black text looks on a background with the Yxy color 83.4593, 0.3509, 0.3962.

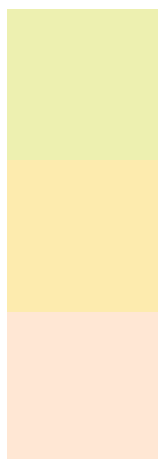


This preview shows how white text looks on a background with the Yxy color 83.4593, 0.3509, 0.3962.

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

83.4593, 0.3509, 0.3962

Protanopia

83.3553, 0.3651, 0.3909

Deuteranopia

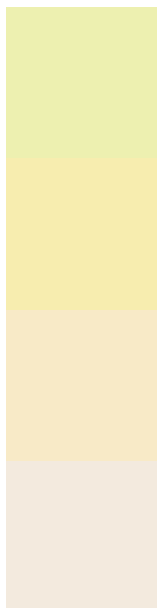
83.1653, 0.3420, 0.3481



Tritanopia

83.0260, 0.3116, 0.3102

Trichromacy



Original Color

83.4593, 0.3509, 0.3962

Protanomaly

83.4377, 0.3595, 0.3927

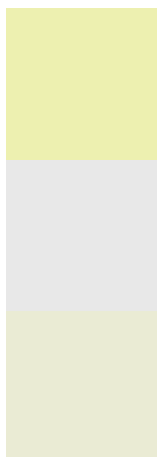
Deuteranomaly

82.9256, 0.3451, 0.3649

Tritanomaly

83.1743, 0.3265, 0.3413

Monochromacy



Original Color

83.4593, 0.3509, 0.3962

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6626, 0.3266, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4593, 0.3509, 0.3962 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(237, 240, 176)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 176)  
}
```

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(237, 240, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 176) }
```

Border

The CSS property to change the border of an element to Yxy 83.4593, 0.3509, 0.3962 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(237, 240, 176) }
```

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

```
.border{ border-color:rgb(237, 240, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 240, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 240, 176); box-shadow:4px 4px 4px 4px rgb(237, 240, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4593, 0.3509, 0.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 176) }
```

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

```
.background{ background-color: rgb(237,  
240, 176) }
```

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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