

Converting Colors

$Y_{xy}(83.7758, 0.3539, 0.3855)$

Have a look what the booklet for
Yxy(83.7758, 0.3539, 0.3855)
contains.

Yxy(83.5386, 0.3543, 0.3857)	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(83.5386, 0.3543, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	F6EDB6
RGB	246, 237, 182
RGB Percent	96%, 93%, 71%
CMY	0.0352, 0.0706, 0.2864
CMYK	0.00, 0.04, 0.26, 0.04
HSL	52°, 78%, 84%
HSV	52°, 26%, 96%
XYZ	76.7377, 83.5386, 56.3133
YIQ	233.4210, 23.0190, -15.1970

Conversions

Conversions Part 2

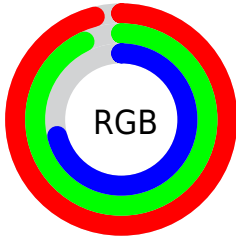
Format	Color
R _Y B	192, 246, 182
Decimal	16182710
CIE Lab	93.25, -5.32, 27.82
CIE LCh	93, 28.328, 100.835
Yxy	83.5386, 0.3543, 0.3857
Android (android.graphics.Color)	4294372790 (0xFFFF6EDB6)
YUV	233.4210, -25.3506, 11.0318
Hunter-Lab	91.3995, -10.0830, 27.4497

Details

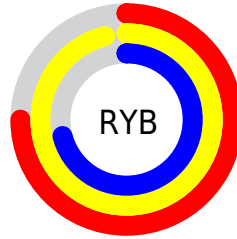
The Yxy color $83.5386, 0.3543, 0.3857$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $53.8526, 0.2685, 0.2651$, and the grayscale version is $82.0037, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.9530, 0.3226, 0.3454$, and $45.4515, 0.3629, 0.3977$ is the 20% darker color. If you saturate the color by 10%, you get $80.6248, 0.3712, 0.4076$, and if you desaturate by 10%, it is $86.6774, 0.3377, 0.3635$.

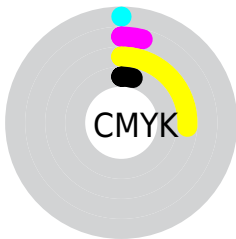
Distribution



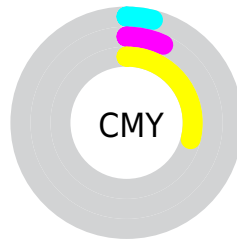
- Red (96%)
- Green (93%)
- Blue (71%)



- Red (75%)
- Yellow (96%)
- Blue (71%)



- Cyan (0%)
- Magenta (4%)
- Yellow (26%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5386, 0.3543, 0.3857 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 83.5386, 0.3543, 0.3857 by changing the saturation by 10% instead.

 83.5386, 0.3543,
0.3857

 83.5386, 0.3543,
0.3857


506.7798, 0.3358,
0.3600

 62.6346, 0.3583,
0.3914


 138.3296, 0.3481,
0.3769

 45.5456, 0.3631,
0.3984


172.9853, 0.3456,
0.3734

 31.8874, 0.3691,
0.4071


212.9937, 0.3434,
0.3704

 21.2755, 0.3765,
0.4181

258.7392, 0.3415,
0.3678

 13.3256, 0.3860,
0.4326

310.6061, 0.3398,
0.3655

 7.6531, 0.3982,
0.4522

368.9789, 0.3384,

 3.8738, 0.4142,

0.3635

0.4797

434.2420, 0.3370,
0.3616

■ 1.6032, 0.4551,
0.5449

■ 0.3598, 0.3707,
0.6293

■ 83.5386, 0.3543,
0.3857

■ 83.5386, 0.3543,
0.3857

■ 80.6248, 0.3712,
0.4076

■ 86.6774, 0.3377,
0.3635

■ 77.9152, 0.3879,
0.4284

■ 90.0389, 0.3218,
0.3417

■ 75.4031, 0.4036,
0.4470

■ 93.5854, 0.3074,
0.3216

■ 73.0770, 0.4178,
0.4625

■ 95.7303, 0.3073,
0.3250

■ 70.9240, 0.4297,
0.4739

■ 97.9149, 0.3072,
0.3283

■ 68.9287, 0.4388,
0.4808

■ 98.3381, 0.3072,
0.3290

■ 67.0726, 0.4451,
0.4831

■ 66.3648, 0.4471,
0.4832

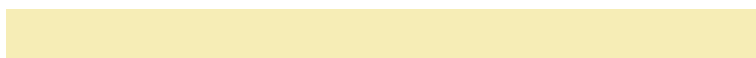
Harmonies

Analogous

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



83.5386, 0.3739, 0.3710



83.5386, 0.3543, 0.3857



83.5386, 0.3240, 0.3845

Triad

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



83.5386, 0.3543, 0.3857



83.5386, 0.2528, 0.3059



83.5386, 0.3319, 0.2959

Complementary

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



83.5386, 0.3543, 0.3857



53.8526, 0.2685, 0.2651

Split Complementary

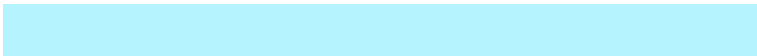
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5386, 0.2988, 0.2800



83.5386, 0.3543, 0.3857



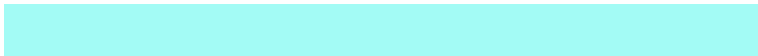
83.5386, 0.2545, 0.2843

Square

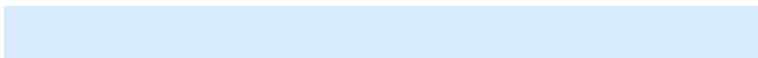
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5386, 0.3543, 0.3857



83.5386, 0.2661, 0.3361



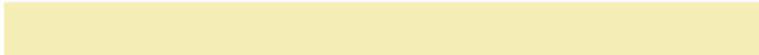
83.5386, 0.2709, 0.2755



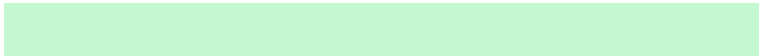
83.5386, 0.3609, 0.3197

Rectangle

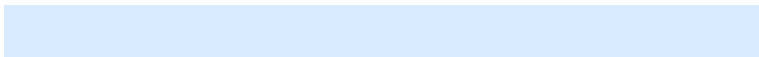
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5386, 0.3543, 0.3857



83.5386, 0.3022, 0.3738



83.5386, 0.2709, 0.2755



83.5386, 0.3208, 0.2895

Sweetspot

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



83.5424, 0.3543, 0.3857



96.9345, 0.3249, 0.3460



56.8244, 0.3602, 0.3188



20.6285, 0.3273, 0.3492



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.



83.5424, 0.3543, 0.3857



89.0099, 0.3628, 0.3968



85.0891, 0.3366, 0.3977



18.8920, 0.3272, 0.3492



35.5709, 0.4465, 0.4836



3.2334, 0.4426, 0.4868

Inverse Universe

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



53.8526, 0.2685, 0.2651



52.0230, 0.2589, 0.2506



52.9869, 0.2837, 0.2576



16.3033, 0.2979, 0.3080



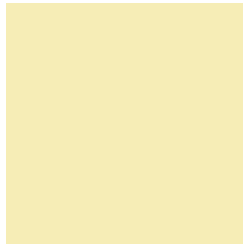
4.3007, 0.1531, 0.0712



0.4916, 0.1582, 0.0894

Previews

White Background



This preview shows how the Yxy color 83.5386, 0.3543, 0.3857 looks on a white background.

Color Contrast Check

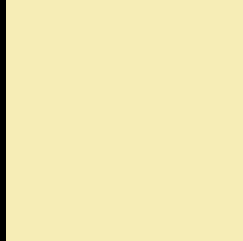
Large Text (above 18pt) WCAG AA × Fail

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 83.5386, 0.3543, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

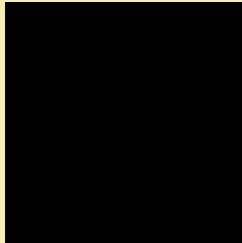
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5386, 0.3543, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 83.5386, 0.3543, 0.3857.



This preview shows how white text looks on a background with the Yxy color 83.5386, 0.3543, 0.3857.

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

83.5386, 0.3543, 0.3857

Protanopia

83.4483, 0.3598, 0.3839

Deuteranopia

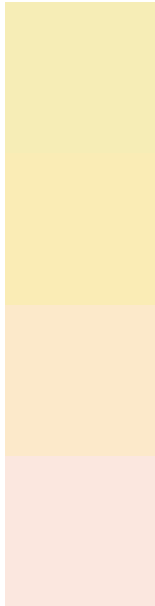
83.2669, 0.3406, 0.3461



Tritanopia

83.2115, 0.3190, 0.3114

Trichromacy



Original Color

83.5386, 0.3543, 0.3857

Protanomaly

83.6511, 0.3581, 0.3852

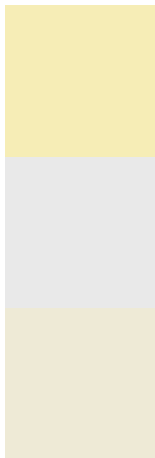
Deuteranomaly

83.2375, 0.3462, 0.3605

Tritanomaly

82.9888, 0.3318, 0.3371

Monochromacy



Original Color

83.5386, 0.3543, 0.3857

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.8778, 0.3282, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5386, 0.3543, 0.3857 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(246, 237, 182)` looks like.

```
.text, #text, p{  
    color:rgb(246, 237, 182)  
}
```

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(246, 237, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 237, 182) }
```

Border

The CSS property to change the border of an element to Yxy 83.5386, 0.3543, 0.3857 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(246, 237, 182) }
```

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

```
.border{ border-color:rgb(246, 237, 182) }
```

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

Here you see how a box with a 4 pixel rgb(246, 237, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 237, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 237, 182);  
box-shadow:4px 4px 4px 4px rgb(246, 237,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5386, 0.3543, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 237, 182) }
```

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

```
.background{ background-color: rgb(246,  
237, 182) }
```

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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