

Converting Colors

$Y_{xy}(95.4315, 0.4094, 0.3863)$

Have a look what the booklet for
Yxy(95.4315, 0.4094, 0.3863)
contains.

Yxy(83.5412, 0.3698, 0.3956)	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(83.5412, 0.3698, 0.3956)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBA9
RGB	255, 235, 169
RGB Percent	100%, 92%, 66%
CMY	0.0002, 0.0783, 0.3373
CMYK	0.00, 0.08, 0.34, 0.00
HSL	46°, 100%, 83%
HSV	46°, 34%, 100%
XYZ	78.0929, 83.5412, 49.5419
YIQ	233.4560, 33.1060, -16.2860

Conversions

Conversions Part 2

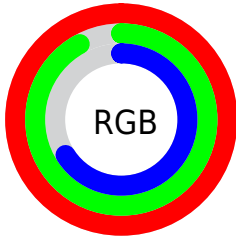
Format	Color
RYB	195, 255, 169
Decimal	16772009
CIELab	93.25, -2.61, 34.54
CIELCh	93, 34.634, 94.314
Yxy	83.5412, 0.3698, 0.3956
Android (android.graphics.Color)	4294962089 (0xFFFFEBA9)
YUV	233.4560, -31.7768, 18.8941
Hunter-Lab	91.4009, -7.4412, 31.8437

Details

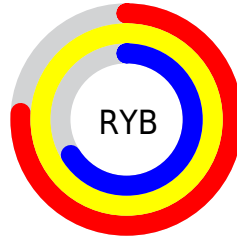
The Yxy color **83.5412, 0.3698, 0.3956** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.0066, 0.2547, 0.2520**, and the grayscale version is **82.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **45.3715, 0.3820, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **79.3520, 0.3884, 0.4150**, and if you desaturate by 10%, it is **88.0371, 0.3516, 0.3755**.

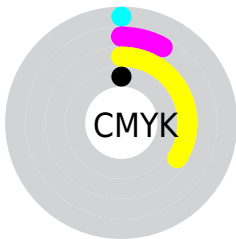
Distribution



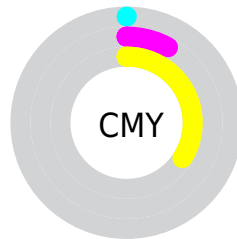
- Red (100%)
- Green (92%)
- Blue (66%)



- Red (76%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (8%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5412, 0.3698, 0.3956 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 83.5412, 0.3698, 0.3956 by changing the saturation by 10% instead.

 83.5412, 0.3698,
0.3956

 83.5412, 0.3698,
0.3956


506.7884, 0.3445,
0.3657

 62.6367, 0.3753,
0.4021


 138.3332, 0.3613,
0.3855

 45.5474, 0.3818,
0.4100

172.9895, 0.3579,
0.3815

 31.8888, 0.3898,
0.4196


212.9985, 0.3549,
0.3780

 21.2766, 0.3996,
0.4316

258.7447, 0.3523,
0.3749

 13.3263, 0.4119,
0.4469

310.6124, 0.3500,
0.3722

 7.6536, 0.4273,
0.4666

368.9859, 0.3480,

 3.8741, 0.4519,

0.3698

0.4982

434.2498, 0.3461,
0.3677

■ 1.6034, 0.4717,
0.5283

■ 0.3599, 0.4362,
0.5638

■ 83.5412, 0.3698,
0.3956

■ 83.5412, 0.3698,
0.3956

■ 79.3520, 0.3884,
0.4150

■ 88.0371, 0.3516,
0.3755

■ 75.4460, 0.4069,
0.4327

■ 92.8392, 0.3344,
0.3554

■ 71.8139, 0.4244,
0.4477

■ 97.9617, 0.3183,
0.3360

■ 68.4411, 0.4401,
0.4589

99.9887, 0.3127,
0.3290

■ 65.3108, 0.4532,
0.4655

■ 62.4027, 0.4633,
0.4673

■ 60.6701, 0.4683,
0.4663

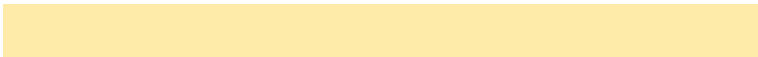
Harmonies

Analogous

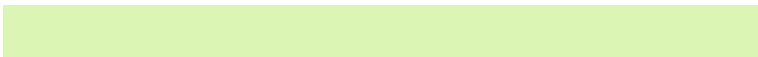
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5412, 0.3902, 0.3736



83.5412, 0.3698, 0.3956



83.5412, 0.3347, 0.3998

Triad

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



83.5412, 0.3698, 0.3956



83.5412, 0.2422, 0.3076



83.5412, 0.3271, 0.2839

Complementary

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



83.5412, 0.3698, 0.3956



52.0066, 0.2547, 0.2520

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.



83.5412, 0.2873, 0.2675



83.5412, 0.3698, 0.3956



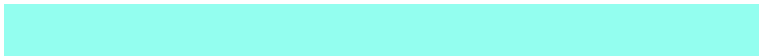
83.5412, 0.2404, 0.2788

Square

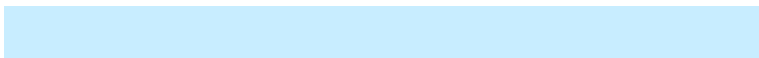
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5412, 0.3698, 0.3956



83.5412, 0.2616, 0.3459



83.5412, 0.2563, 0.2652



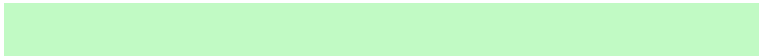
83.5412, 0.3650, 0.3106

Rectangle

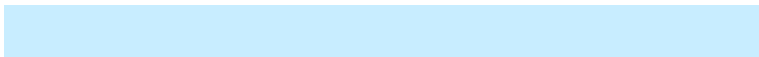
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5412, 0.3698, 0.3956



83.5412, 0.3081, 0.3899



83.5412, 0.2563, 0.2652



83.5412, 0.3134, 0.2771

Sweetspot

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



83.5450, 0.3698, 0.3956



94.7532, 0.3283, 0.3481



53.2991, 0.3735, 0.3082



20.1289, 0.3306, 0.3509



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

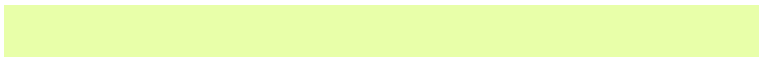
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5450, 0.3698, 0.3956



80.9172, 0.3815, 0.4079



91.5056, 0.3481, 0.4181



20.3351, 0.3275, 0.3472



31.9568, 0.4674, 0.4671



3.2765, 0.4607, 0.4724

Inverse Universe

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



52.0066, 0.2547, 0.2520



45.2920, 0.2427, 0.2347



46.7856, 0.2677, 0.2322



18.0606, 0.2979, 0.3102



5.5974, 0.1569, 0.0849



0.7025, 0.1626, 0.1052

Previews

White Background



This preview shows how the Yxy color 83.5412, 0.3698, 0.3956 looks on a white background.

Color Contrast Check

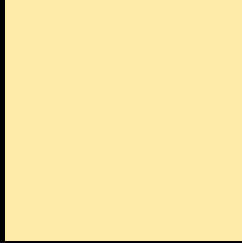
Large Text (above 18pt) WCAG AA × Fail

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 83.5412, 0.3698, 0.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

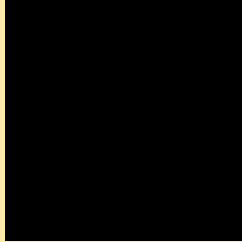
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5412, 0.3698, 0.3956

Background



This preview shows how black text looks on a background with the Yxy color 83.5412, 0.3698, 0.3956.



This preview shows how white text looks on a background with the Yxy color 83.5412, 0.3698, 0.3956.

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

83.5412, 0.3698, 0.3956

Protanopia

83.3521, 0.3691, 0.3957

Deuteranopia

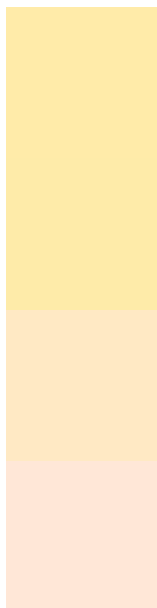
83.7267, 0.3418, 0.3491



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.5412, 0.3698, 0.3956

Protanomaly

83.3521, 0.3691, 0.3957

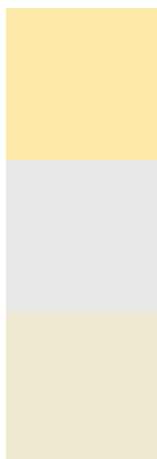
Deuteranomaly

83.5233, 0.3524, 0.3664

Tritanomaly

83.3181, 0.3400, 0.3451

Monochromacy



Original Color

83.5412, 0.3698, 0.3956

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1996, 0.3329, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5412, 0.3698, 0.3956 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(255, 235, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 169)  
}
```

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(255, 235, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 169) }
```

Border

The CSS property to change the border of an element to Yxy 83.5412, 0.3698, 0.3956 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(255, 235, 169) }
```

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

```
.border{ border-color:rgb(255, 235, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5412, 0.3698, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 169) }
```

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

```
.background{ background-color: rgb(255,  
235, 169) }
```

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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