

Converting Colors

$Y_{xy}(83.3262, 0.3639, 0.3851)$

Have a look what the booklet for
Yxy(83.3262, 0.3639, 0.3851)
contains.

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Color

Yxy(83.3200, 0.3642, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAB2
RGB	255, 234, 178
RGB Percent	100%, 92%, 70%
CMY	0.0001, 0.0823, 0.3019
CMYK	0.00, 0.08, 0.30, 0.00
HSL	44°, 100%, 85%
HSV	44°, 30%, 100%
XYZ	78.6959, 83.3200, 54.0629
YIQ	233.8950, 30.4920, -12.9640

Conversions

Conversions Part 2

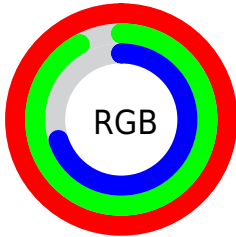
Format	Color
R_{YB}	207, 255, 178
Decimal	16771762
CIE Lab	93.15, -0.99, 29.83
CIE LCh	93, 29.842, 91.895
Yxy	83.3200, 0.3642, 0.3856
Android (android.graphics.Color)	4294961842 (0xFFFFEAB2)
YUV	233.8950, -27.5562, 18.5091
Hunter-Lab	91.2798, -5.8477, 28.7797

Details

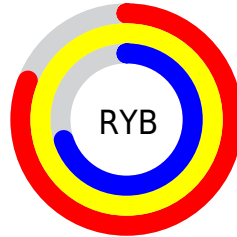
The Yxy color **83.3200, 0.3642, 0.3856** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.5301, 0.2618, 0.2650**, and the grayscale version is **82.3930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **45.1918, 0.3750, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **78.5131, 0.3835, 0.4045**, and if you desaturate by 10%, it is **88.4801, 0.3458, 0.3664**.

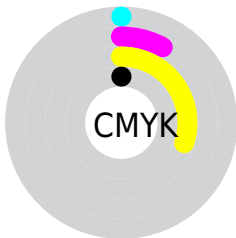
Distribution



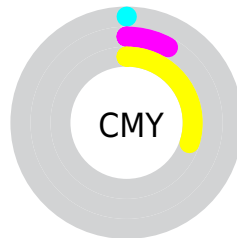
- Red (100%)
- Green (92%)
- Blue (70%)



- Red (81%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (8%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3200, 0.3642, 0.3856 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 83.3200, 0.3642, 0.3856 by changing the saturation by 10% instead.


 83.3200, 0.3642,
0.3856

 83.3200, 0.3642,
0.3856

506.0524, 0.3412,
0.3602

 62.4542, 0.3692,
0.3912

 138.0236, 0.3564,
0.3770

 45.3998, 0.3753,
0.3979


172.6301, 0.3533,
0.3736

 31.7724, 0.3827,
0.4062


212.5856, 0.3506,
0.3706

 21.1877, 0.3921,
0.4166

258.2746, 0.3483,
0.3680

 13.2613, 0.4040,
0.4301

310.0813, 0.3462,
0.3657

 7.6087, 0.4196,
0.4477

368.3903, 0.3443,

 3.8456, 0.4411,

0.3637

0.4723

433.5858, 0.3427,
0.3618

■ 1.5876, 0.4814,
0.5186

■ 0.3492, 0.4685,
0.5315

■ 83.3200, 0.3642,
0.3856

■ 83.3200, 0.3642,
0.3856

■ 78.5131, 0.3835,
0.4045

■ 88.4801, 0.3458,
0.3664

■ 74.0356, 0.4031,
0.4222

■ 93.9934, 0.3287,
0.3475

■ 69.8780, 0.4223,
0.4376

99.8746, 0.3130,
0.3293

■ 66.0255, 0.4403,
0.4496

99.9972, 0.3127,
0.3290

■ 62.4615, 0.4561,
0.4572

■ 59.1663, 0.4689,
0.4599

■ 56.1633, 0.4787,
0.4581

Harmonies

Analogous

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



83.3200, 0.3802, 0.3662



83.3200, 0.3642, 0.3856



83.3200, 0.3347, 0.3901

Triad

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



83.3200, 0.3642, 0.3856



83.3200, 0.2523, 0.3134



83.3200, 0.3224, 0.2881

Complementary

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



83.3200, 0.3642, 0.3856



57.5301, 0.2618, 0.2650

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.



83.3200, 0.2883, 0.2747



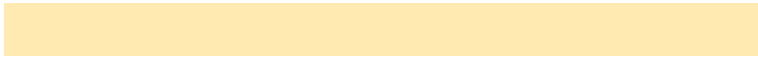
83.3200, 0.3642, 0.3856



83.3200, 0.2493, 0.2873

Square

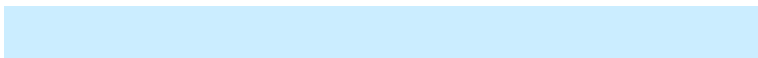
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3200, 0.3642, 0.3856



83.3200, 0.2705, 0.3464



83.3200, 0.2621, 0.2740



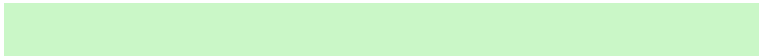
83.3200, 0.3555, 0.3111

Rectangle

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



83.3200, 0.3642, 0.3856



83.3200, 0.3118, 0.3825



83.3200, 0.2621, 0.2740



83.3200, 0.3107, 0.2824

Sweetspot

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



83.3238, 0.3642, 0.3856



94.6833, 0.3268, 0.3453



57.2674, 0.3616, 0.3065



20.0882, 0.3292, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

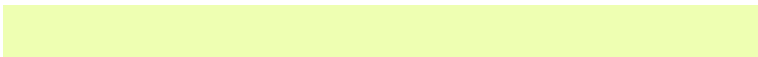
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3238, 0.3642, 0.3856



80.4956, 0.3753, 0.3967



92.9563, 0.3472, 0.4077



20.2042, 0.3276, 0.3462



29.6119, 0.4775, 0.4591



3.0652, 0.4693, 0.4656

Inverse Universe

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



57.5301, 0.2618, 0.2650



51.0870, 0.2510, 0.2503



50.6288, 0.2706, 0.2429



18.1831, 0.2979, 0.3112



6.2392, 0.1592, 0.0931



0.7799, 0.1652, 0.1145

Previews

White Background



This preview shows how the Yxy color 83.3200, 0.3642, 0.3856 looks on a white background.

Color Contrast Check

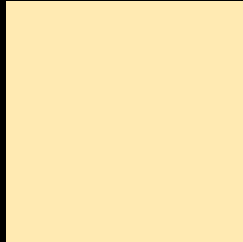
Large Text (above 18pt) WCAG AA × Fail

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 83.3200, 0.3642, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

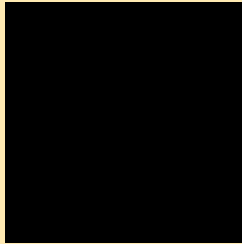
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3200, 0.3642, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 83.3200, 0.3642, 0.3856.



This preview shows how white text looks on a background with the Yxy color 83.3200, 0.3642, 0.3856.

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

83.3200, 0.3642, 0.3856

Protanopia

83.3265, 0.3617, 0.3870

Deuteranopia

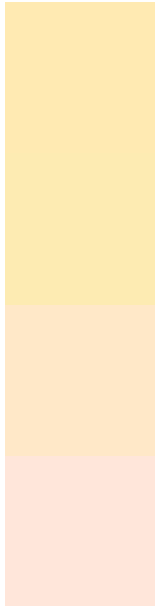
83.2159, 0.3413, 0.3471



Tritanopia

83.0977, 0.3230, 0.3163

Trichromacy



Original Color

83.3200, 0.3642, 0.3856

Protanomaly

83.5137, 0.3625, 0.3869

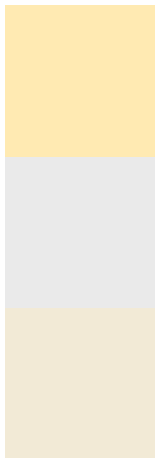
Deuteranomaly

83.1434, 0.3499, 0.3613

Tritanomaly

82.9156, 0.3381, 0.3411

Monochromacy



Original Color

83.3200, 0.3642, 0.3856

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5779, 0.3310, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3200, 0.3642, 0.3856 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, 234, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 178)  
}
```

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, 234, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 178) }
```

Border

The CSS property to change the border of an element to Yxy 83.3200, 0.3642, 0.3856 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, 234, 178) }
```

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

```
.border{ border-color:rgb(255, 234, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3200, 0.3642, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 178) }
```

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

```
.background{ background-color: rgb(255,  
234, 178) }
```

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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