

Converting Colors

$Y_{xy}(87.1312, 0.3679, 0.3722)$

Have a look what the booklet for
Yxy(87.1312, 0.3679, 0.3722)
contains.

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Color

Yxy(83.8233, 0.3562, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	FFEABE
RGB	255, 234, 190
RGB Percent	100%, 92%, 75%
CMY	0.0000, 0.0823, 0.2548
CMYK	0.00, 0.08, 0.25, 0.00
HSL	41°, 100%, 87%
HSV	41°, 25%, 100%
XYZ	79.9621, 83.8233, 60.7012
YIQ	235.2630, 26.6400, -9.2320

Conversions

Conversions Part 2

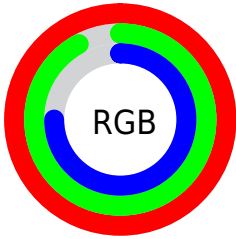
Format	Color
R_{YB}	221, 255, 190
Decimal	16771774
CIE _{Lab}	93.37, 0.57, 23.97
CIE _{LCh}	93, 23.977, 88.632
Yxy	83.8233, 0.3562, 0.3734
Android (android.graphics.Color)	4294961854 (0xFFFFEABE)
YUV	235.2630, -22.3147, 17.3093
Hunter-Lab	91.5551, -4.3235, 24.7792

Details

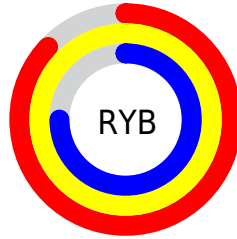
The Yxy color **83.8233, 0.3562, 0.3734** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.7792, 0.2708, 0.2802**, and the grayscale version is **83.4497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **45.6241, 0.3666, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **78.2212, 0.3759, 0.3914**, and if you desaturate by 10%, it is **89.8437, 0.3379, 0.3555**.

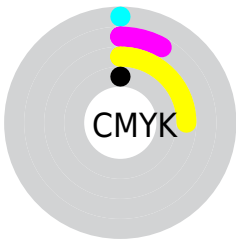
Distribution



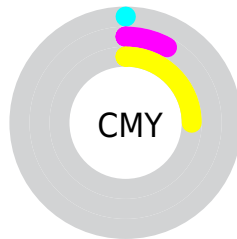
- Red (100%)
- Green (92%)
- Blue (75%)



- Red (87%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (8%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8233, 0.3562, 0.3734 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 83.8233, 0.3562, 0.3734 by changing the saturation by 10% instead.

 83.8233, 0.3562,
0.3734

 83.8233, 0.3562,
0.3734


507.7263, 0.3367,
0.3535

 62.8696, 0.3605,
0.3778


 138.7280, 0.3495,
0.3666

 45.7357, 0.3657,
0.3831


173.4477, 0.3469,
0.3640

 32.0373, 0.3722,
0.3897


213.5249, 0.3446,
0.3616

 21.3900, 0.3805,
0.3980

259.3439, 0.3426,
0.3596

 13.4094, 0.3912,
0.4088

311.2891, 0.3409,
0.3578

 7.7110, 0.4057,
0.4234

369.7450, 0.3393,

 3.9106, 0.4258,

0.3562

0.4435

435.0959, 0.3379,
0.3548

■ 1.6237, 0.4907,
0.5093

■ 0.3735, 0.4970,
0.5030

■ 83.8233, 0.3562,
0.3734

■ 83.8233, 0.3562,
0.3734

■ 78.2212, 0.3759,
0.3914

■ 89.8437, 0.3379,
0.3555

■ 73.0171, 0.3965,
0.4087

■ 96.2874, 0.3212,
0.3381

■ 68.1992, 0.4176,
0.4243

100.0000, 0.3127,
0.3290

■ 63.7524, 0.4382,
0.4372

■ 59.6595, 0.4572,
0.4461

■ 55.9012, 0.4738,
0.4502

■ 52.4543, 0.4870,
0.4491

■ 50.9830, 0.4923,
0.4473

Harmonies

Analogous

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



83.8233, 0.3672, 0.3572



83.8233, 0.3562, 0.3734



83.8233, 0.3336, 0.3779

Triad

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



83.8233, 0.3562, 0.3734



83.8233, 0.2649, 0.3196



83.8233, 0.3176, 0.2942

Complementary

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



83.8233, 0.3562, 0.3734



64.7792, 0.2708, 0.2802

Split Complementary

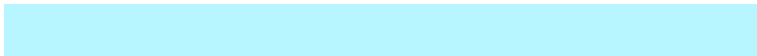
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8233, 0.2905, 0.2843



83.8233, 0.3562, 0.3734



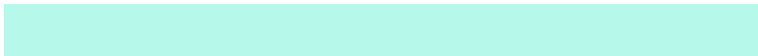
83.8233, 0.2610, 0.2976

Square

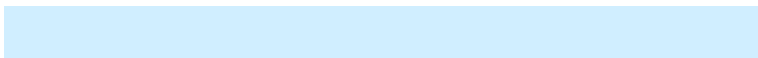
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8233, 0.3562, 0.3734



83.8233, 0.2811, 0.3458



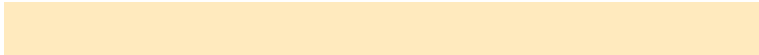
83.8233, 0.2701, 0.2852



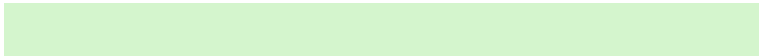
83.8233, 0.3445, 0.3123

Rectangle

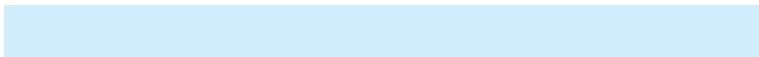
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8233, 0.3562, 0.3734



83.8233, 0.3153, 0.3728



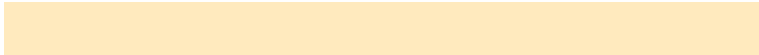
83.8233, 0.2701, 0.2852



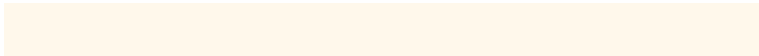
83.8233, 0.3082, 0.2898

Sweetspot

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



83.8257, 0.3562, 0.3734



94.6196, 0.3252, 0.3424



62.8415, 0.3492, 0.3069



20.0426, 0.3277, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

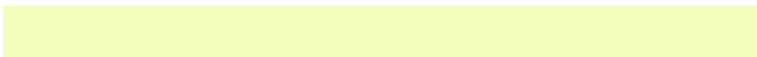
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8257, 0.3562, 0.3734



80.6790, 0.3669, 0.3834



94.5035, 0.3441, 0.3945



20.0426, 0.3277, 0.3450



26.9224, 0.4907, 0.4485



2.8198, 0.4805, 0.4567

Inverse Universe

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



64.7792, 0.2708, 0.2802



58.4524, 0.2609, 0.2678



56.4624, 0.2760, 0.2575



18.3364, 0.2979, 0.3124



7.1985, 0.1625, 0.1050



0.8893, 0.1687, 0.1272

Previews

White Background



This preview shows how the Yxy color 83.8233, 0.3562, 0.3734 looks on a white background.

Color Contrast Check

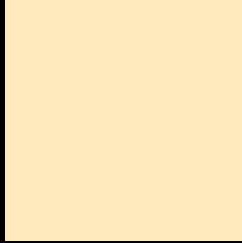
Large Text (above 18pt) WCAG AA × Fail

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 83.8233, 0.3562, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

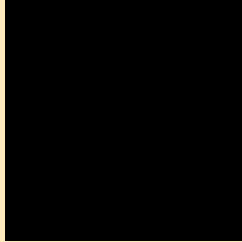
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8233, 0.3562, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 83.8233, 0.3562, 0.3734.



This preview shows how white text looks on a background with the Yxy color 83.8233, 0.3562, 0.3734.

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

83.8233, 0.3562, 0.3734

Protanopia

84.0765, 0.3515, 0.3749

Deuteranopia

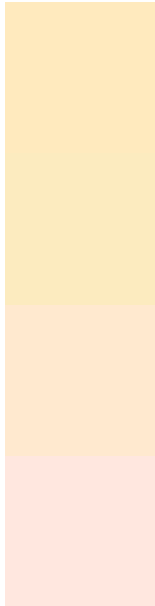
83.9311, 0.3391, 0.3451



Tritanopia

83.7094, 0.3222, 0.3163

Trichromacy



Original Color

83.8233, 0.3562, 0.3734

Protanomaly

83.8737, 0.3531, 0.3737

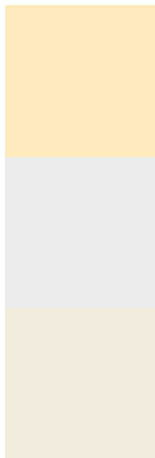
Deuteranomaly

84.0428, 0.3450, 0.3552

Tritanomaly

83.7395, 0.3346, 0.3370

Monochromacy



Original Color

83.8233, 0.3562, 0.3734

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4084, 0.3276, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8233, 0.3562, 0.3734 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 190) }
```

Border

The CSS property to change the border of an element to Yxy 83.8233, 0.3562, 0.3734 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, 190) }
```

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

```
.border{ border-color:rgb(255, 234, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8233, 0.3562, 0.3734 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, 190) }
```

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

```
.background{ background-color: rgb(255,  
234, 190) }
```

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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