

Converting Colors

Yxy(83.9686, 0.3649, 0.3883)

Have a look what the booklet for
Yxy(83.9686, 0.3649, 0.3883)
contains.

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Color

Yxy(83.8113, 0.3653, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8B0
RGB	255, 235, 176
RGB Percent	100%, 92%, 69%
CMY	0.0000, 0.0784, 0.3100
CMYK	0.00, 0.08, 0.31, 0.00
HSL	45°, 100%, 85%
HSV	45°, 31%, 100%
XYZ	78.7861, 83.8113, 53.0776
YIQ	234.2540, 30.8590, -14.1090

Conversions

Conversions Part 2

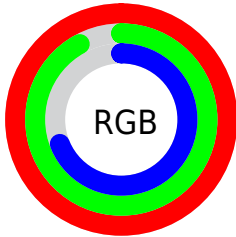
Format	Color
R _Y B	203, 255, 176
Decimal	16772016
CIE Lab	93.37, -1.73, 31.16
CIE LCh	93, 31.211, 93.178
Yxy	83.8113, 0.3653, 0.3886
Android (android.graphics.Color)	4294962096 (0xFFFFEBB0)
YUV	234.2540, -28.7192, 18.1942
Hunter-Lab	91.5485, -6.5939, 29.7090

Details

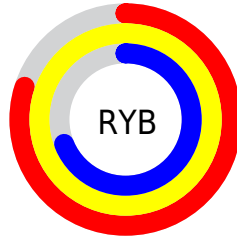
The Yxy color **83.8113, 0.3653, 0.3886** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.9060, 0.2601, 0.2612**, and the grayscale version is **82.6836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **45.5406, 0.3763, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **79.2683, 0.3842, 0.4078**, and if you desaturate by 10%, it is **88.6792, 0.3471, 0.3689**.

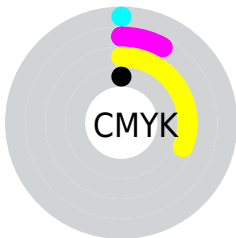
Distribution



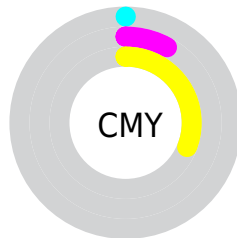
- Red (100%)
- Green (92%)
- Blue (69%)



- Red (80%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8113, 0.3653, 0.3886 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 83.8113, 0.3653, 0.3886 by changing the saturation by 10% instead.

 83.8113, 0.3653,
0.3886

 83.8113, 0.3653,
0.3886


507.6864, 0.3419,
0.3619

 62.8597, 0.3704,
0.3944


 138.7112, 0.3574,
0.3795

 45.7277, 0.3765,
0.4015


173.4282, 0.3542,
0.3759

 32.0310, 0.3840,
0.4102


213.5025, 0.3515,
0.3728

 21.3852, 0.3934,
0.4212

259.3184, 0.3491,
0.3701

 13.4058, 0.4053,
0.4352

311.2604, 0.3470,
0.3677

 7.7086, 0.4207,
0.4536

369.7127, 0.3451,

 3.9091, 0.4421,

0.3655

0.4796

435.0600, 0.3434,
0.3636

■ 1.6228, 0.4770,
0.5230

■ 0.3729, 0.4557,
0.5443

■ 83.8113, 0.3653,
0.3886

■ 83.8113, 0.3653,
0.3886

■ 79.2683, 0.3842,
0.4078

■ 88.6792, 0.3471,
0.3689

■ 75.0361, 0.4033,
0.4257

■ 93.8811, 0.3300,
0.3495

■ 71.1024, 0.4219,
0.4412

■ 99.4284, 0.3142,
0.3308

■ 67.4525, 0.4389,
0.4532

■ 100.0000, 0.3127,
0.3290

■ 64.0701, 0.4537,
0.4608

■ 60.9355, 0.4655,
0.4635

■ 58.2985, 0.4737,
0.4621

Harmonies

Analogous

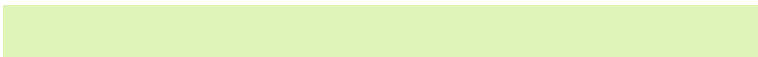
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8113, 0.3828, 0.3687



83.8113, 0.3653, 0.3886



83.8113, 0.3341, 0.3926

Triad

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



83.8113, 0.3653, 0.3886



83.8113, 0.2493, 0.3112



83.8113, 0.3244, 0.2873

Complementary

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



83.8113, 0.3653, 0.3886



55.9060, 0.2601, 0.2612

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.



83.8113, 0.2886, 0.2729



83.8113, 0.3653, 0.3886



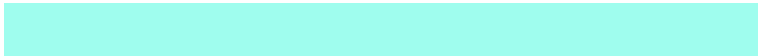
83.8113, 0.2470, 0.2846

Square

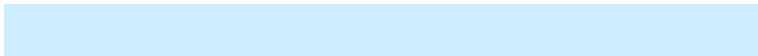
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8113, 0.3653, 0.3886



83.8113, 0.2676, 0.3456



83.8113, 0.2609, 0.2715



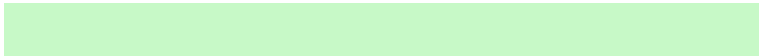
83.8113, 0.3587, 0.3114

Rectangle

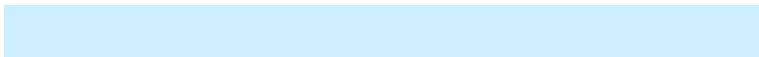
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8113, 0.3653, 0.3886



83.8113, 0.3101, 0.3842



83.8113, 0.2609, 0.2715



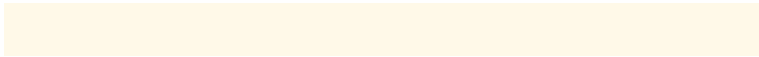
83.8113, 0.3121, 0.2812

Sweetspot

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



83.8120, 0.3653, 0.3886



94.9603, 0.3267, 0.3457



56.3283, 0.3645, 0.3072



20.1567, 0.3291, 0.3485



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

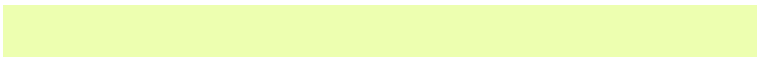
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8120, 0.3653, 0.3886



81.0457, 0.3766, 0.4003



92.5815, 0.3472, 0.4101



20.2667, 0.3275, 0.3467



30.7134, 0.4726, 0.4630



3.1647, 0.4652, 0.4689

Inverse Universe

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



55.9060, 0.2601, 0.2612



49.2580, 0.2488, 0.2455



49.7781, 0.2702, 0.2405



18.1244, 0.2979, 0.3107



5.9181, 0.1581, 0.0891



0.7417, 0.1639, 0.1100

Previews

White Background



This preview shows how the Yxy color 83.8113, 0.3653, 0.3886 looks on a white background.

Color Contrast Check

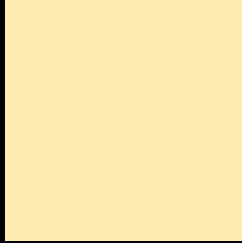
Large Text (above 18pt) WCAG AA × Fail

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 83.8113, 0.3653, 0.3886 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 83.8113, 0.3653, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 83.8113, 0.3653, 0.3886.



This preview shows how white text looks on a background with the Yxy color 83.8113, 0.3653, 0.3886.

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

83.8113, 0.3653, 0.3886

Protanopia

84.0081, 0.3635, 0.3898

Deuteranopia

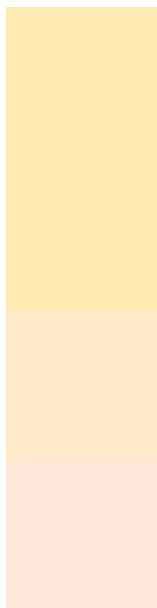
83.7773, 0.3411, 0.3481



Tritanopia

83.6495, 0.3229, 0.3173

Trichromacy



Original Color

83.8113, 0.3653, 0.3886

Protanomaly

84.1963, 0.3642, 0.3897

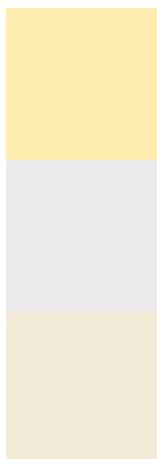
Deuteranomaly

83.7080, 0.3497, 0.3623

Tritanomaly

83.4216, 0.3386, 0.3431

Monochromacy



Original Color

83.8113, 0.3653, 0.3886

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.5270, 0.3316, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8113, 0.3653, 0.3886 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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(255, 235, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 176) }
```

Border

The CSS property to change the border of an element to Yxy 83.8113, 0.3653, 0.3886 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, 176) }
```

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

```
.border{ border-color:rgb(255, 235, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8113, 0.3653, 0.3886 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, 176) }
```

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

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