

Converting Colors

$Y_{xy}(82.9670, 0.3628, 0.3878)$

Have a look what the booklet for
Yxy(82.9670, 0.3628, 0.3878)
contains.

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Color

Yxy(82.7154, 0.3627, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	FCEAB1
RGB	252, 234, 177
RGB Percent	99%, 92%, 69%
CMY	0.0118, 0.0823, 0.3060
CMYK	0.00, 0.07, 0.30, 0.01
HSL	46°, 93%, 84%
HSV	46°, 30%, 99%
XYZ	77.5016, 82.7154, 53.4627
YIQ	232.8840, 29.0250, -13.9110

Conversions

Conversions Part 2

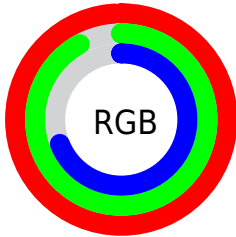
Format	Color
RYB	201, 252, 177
Decimal	16575153
CIELab	92.89, -2.23, 29.96
CIELCh	93, 30.041, 94.263
Yxy	82.7154, 0.3627, 0.3871
Android (android.graphics.Color)	4294765233 (0xFFFC EAB1)
YUV	232.8840, -27.5508, 16.7647
Hunter-Lab	90.9480, -7.0497, 28.8107

Details

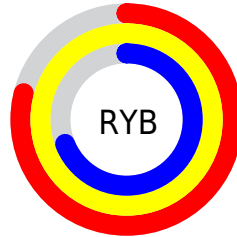
The Yxy color $82.7154, 0.3627, 0.3871$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $55.3893, 0.2623, 0.2632$, and the grayscale version is $81.5895, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.6632, 0.3256, 0.3503$, and $44.8981, 0.3740, 0.3992$ is the 20% darker color. If you saturate the color by 10%, you get $78.4225, 0.3813, 0.4067$, and if you desaturate by 10%, it is $87.3188, 0.3448, 0.3671$.

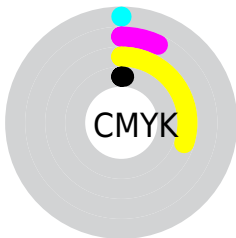
Distribution



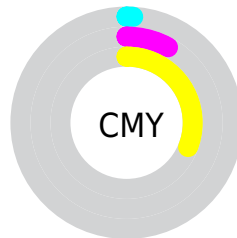
- Red (99%)
- Green (92%)
- Blue (69%)



- Red (79%)
- Yellow (99%)
- Blue (69%)



- Cyan (0%)
- Magenta (7%)
- Yellow (30%)
- Black (1%)




- Cyan (1%)
- Magenta (8%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7154, 0.3627, 0.3871 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 82.7154, 0.3627, 0.3871 by changing the saturation by 10% instead.


 82.7154, 0.3627,
0.3871

 82.7154, 0.3627,
0.3871


504.0375, 0.3404,
0.3609

 61.9554, 0.3676,
0.3929

 137.1768, 0.3551,
0.3782

 44.9967, 0.3734,
0.3998


171.6470, 0.3521,
0.3747

 31.4548, 0.3807,
0.4085


211.4560, 0.3495,
0.3716

 20.9454, 0.3897,
0.4194

256.9882, 0.3472,
0.3689

 13.0841, 0.4012,
0.4335

308.6281, 0.3452,
0.3666

 7.4865, 0.4161,
0.4520

366.7600, 0.3434,

 3.7682, 0.4370,

0.3645

0.4786

431.7684, 0.3418,
0.3626

■ 1.5447, 0.4738,
0.5262

■ 0.3199, 0.4382,
0.5618

■ 82.7154, 0.3627,
0.3871

■ 82.7154, 0.3627,
0.3871

■ 78.4225, 0.3813,
0.4067

■ 87.3188, 0.3448,
0.3671

■ 74.4173, 0.4001,
0.4251

■ 92.2320, 0.3279,
0.3475

■ 70.6913, 0.4183,
0.4411

■ 97.4686, 0.3124,
0.3286

■ 67.2308, 0.4351,
0.4538

■ 99.4356, 0.3109,
0.3290

■ 64.0202, 0.4497,
0.4622

■ 61.0414, 0.4613,
0.4657

■ 58.2656, 0.4701,
0.4648

■ 58.2038, 0.4703,
0.4648

Harmonies

Analogous

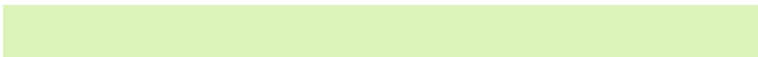
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7154, 0.3802, 0.3684



82.7154, 0.3627, 0.3871



82.7154, 0.3322, 0.3902

Triad

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



82.7154, 0.3627, 0.3871



82.7154, 0.2509, 0.3108



82.7154, 0.3253, 0.2893

Complementary

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



82.7154, 0.3627, 0.3871



55.3893, 0.2623, 0.2632

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.



82.7154, 0.2906, 0.2749



82.7154, 0.3627, 0.3871



82.7154, 0.2492, 0.2854

Square

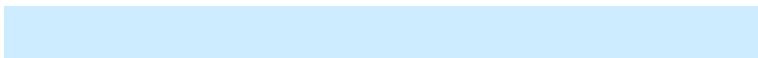
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7154, 0.3627, 0.3871



82.7154, 0.2682, 0.3439



82.7154, 0.2633, 0.2731



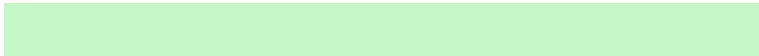
82.7154, 0.3582, 0.3130

Rectangle

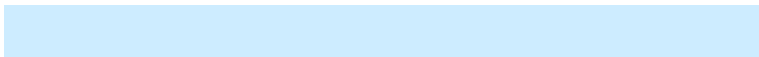
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7154, 0.3627, 0.3871



82.7154, 0.3090, 0.3815



82.7154, 0.2633, 0.2731



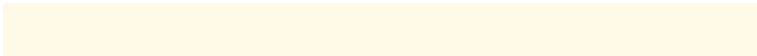
82.7154, 0.3134, 0.2833

Sweetspot

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



82.7192, 0.3627, 0.3871



95.1474, 0.3267, 0.3460



56.1041, 0.3629, 0.3094



20.2030, 0.3291, 0.3488



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.



82.7192, 0.3627, 0.3871



82.1802, 0.3743, 0.3995



90.1595, 0.3450, 0.4070



19.4438, 0.3275, 0.3469



30.5592, 0.4693, 0.4656



2.9935, 0.4620, 0.4713

Inverse Universe

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



55.3893, 0.2623, 0.2632



49.8161, 0.2505, 0.2467



50.1634, 0.2731, 0.2447



17.3188, 0.2979, 0.3104



5.5574, 0.1574, 0.0866



0.6717, 0.1634, 0.1082

Previews

White Background



This preview shows how the Yxy color 82.7154, 0.3627, 0.3871 looks on a white background.

Color Contrast Check

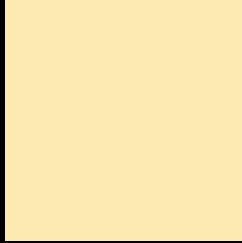
Large Text (above 18pt) WCAG AA × Fail

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 82.7154, 0.3627, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

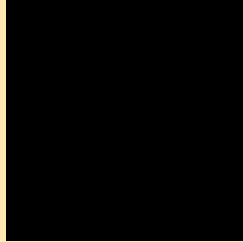
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7154, 0.3627, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 82.7154, 0.3627, 0.3871.

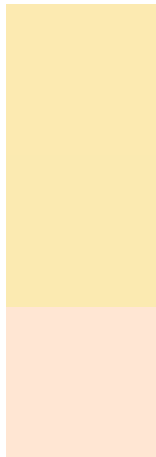


This preview shows how white text looks on a background with the Yxy color 82.7154, 0.3627, 0.3871.

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

82.7154, 0.3627, 0.3871

Protanopia

82.5292, 0.3619, 0.3872

Deuteranopia

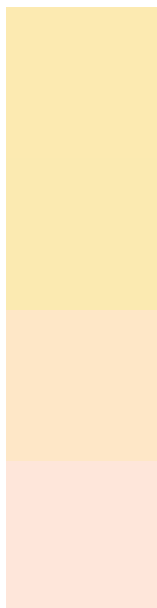
82.5568, 0.3428, 0.3482



Tritanopia

82.5490, 0.3231, 0.3153

Trichromacy



Original Color

82.7154, 0.3627, 0.3871

Protanomaly

82.5292, 0.3619, 0.3872

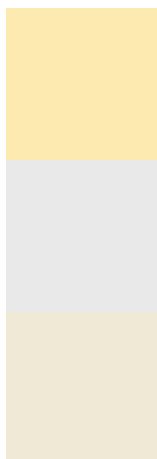
Deuteranomaly

82.3462, 0.3501, 0.3614

Tritanomaly

82.7264, 0.3374, 0.3411

Monochromacy



Original Color

82.7154, 0.3627, 0.3871

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6072, 0.3304, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7154, 0.3627, 0.3871 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(252, 234, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 234, 177)  
}
```

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(252, 234, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 234, 177) }
```

Border

The CSS property to change the border of an element to Yxy 82.7154, 0.3627, 0.3871 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(252, 234, 177) }
```

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

```
.border{ border-color:rgb(252, 234, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 234, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 234, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 234, 177);  
box-shadow:4px 4px 4px 4px rgb(252, 234,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7154, 0.3627, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 234, 177) }
```

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

```
.background{ background-color: rgb(252,  
234, 177) }
```

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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