

Converting Colors

$Y_{xy}(82.8100, 0.3641, 0.3842)$

Have a look what the booklet for
Yxy(82.8100, 0.3641, 0.3842)
contains.

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Color

Yxy(82.7925, 0.3638, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9B3
RGB	255, 233, 179
RGB Percent	100%, 91%, 70%
CMY	0.0002, 0.0862, 0.2981
CMYK	0.00, 0.09, 0.30, 0.00
HSL	43°, 100%, 85%
HSV	43°, 30%, 100%
XYZ	78.4986, 82.7925, 54.4829
YIQ	233.4220, 30.4460, -12.1300

Conversions

Conversions Part 2

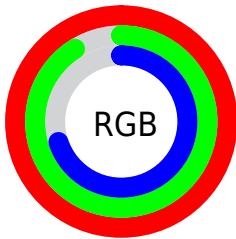
Format	Color
R _Y B	210, 255, 179
Decimal	16771507
CIE Lab	92.92, -0.38, 29.02
CIE LCh	93, 29.021, 90.759
Yxy	82.7925, 0.3638, 0.3837
Android (android.graphics.Color)	4294961587 (0xFFFFE9B3)
YUV	233.4220, -26.8300, 18.9239
Hunter-Lab	90.9904, -5.2389, 28.1918

Details

The Yxy color $82.7925, 0.3638, 0.3837$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $58.5262, 0.2627, 0.2674$, and the grayscale version is $82.0059, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.7782, 0.3244, 0.3483$, and $44.8210, 0.3746, 0.3950$ is the 20% darker color. If you saturate the color by 10%, you get $77.7792, 0.3833, 0.4023$, and if you desaturate by 10%, it is $88.1776, 0.3453, 0.3649$.

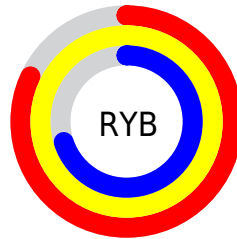
Distribution



Red (100%)

Green (91%)

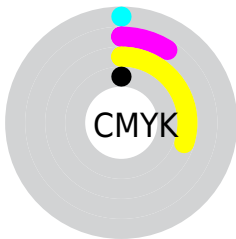
Blue (70%)



Red (82%)

Yellow (100%)

Blue (70%)

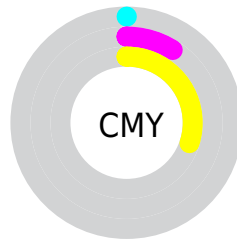


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7925, 0.3638, 0.3837 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 82.7925, 0.3638, 0.3837 by changing the saturation by 10% instead.


 82.7925, 0.3638,
0.3837

 82.7925, 0.3638,
0.3837

504.2947, 0.3409,
0.3591

 62.0190, 0.3688,
0.3891


 137.2848, 0.3560,
0.3754

 45.0480, 0.3749,
0.3956


171.7724, 0.3530,
0.3721

 31.4953, 0.3823,
0.4036


211.6001, 0.3503,
0.3692

 20.9763, 0.3917,
0.4138

257.1524, 0.3479,
0.3667

 13.1067, 0.4038,
0.4268

308.8136, 0.3459,
0.3645

 7.5020, 0.4196,
0.4439

366.9681, 0.3440,

 3.7780, 0.4414,

0.3625

0.4677

432.0003, 0.3424,
0.3607

■ 1.5502, 0.4850,
0.5150

■ 0.3237, 0.4796,
0.5204

■ 82.7925, 0.3638,
0.3837

■ 82.7925, 0.3638,
0.3837

■ 77.7792, 0.3833,
0.4023

■ 88.1776, 0.3453,
0.3649

■ 73.1139, 0.4033,
0.4197

■ 93.9351, 0.3281,
0.3464

■ 68.7867, 0.4231,
0.4349

99.9891, 0.3127,
0.3290

■ 64.7824, 0.4418,
0.4468

■ 61.0842, 0.4584,
0.4544

■ 57.6723, 0.4720,
0.4569

■ 54.5162, 0.4827,
0.4548

■ 54.4530, 0.4829,
0.4548

Harmonies

Analogous

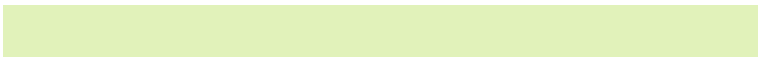
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7925, 0.3787, 0.3644



82.7925, 0.3638, 0.3837



82.7925, 0.3354, 0.3886

Triad

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



82.7925, 0.3638, 0.3837



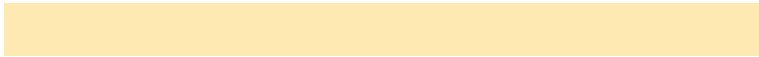
82.7925, 0.2542, 0.3150



82.7925, 0.3209, 0.2884

Complementary

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



82.7925, 0.3638, 0.3837



58.5262, 0.2627, 0.2674

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.



82.7925, 0.2878, 0.2758



82.7925, 0.3638, 0.3837



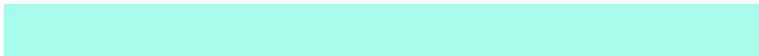
82.7925, 0.2507, 0.2892

Square

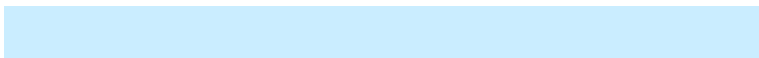
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7925, 0.3638, 0.3837



82.7925, 0.2725, 0.3472



82.7925, 0.2626, 0.2756



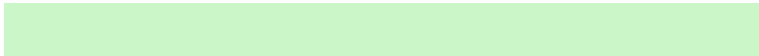
82.7925, 0.3534, 0.3106

Rectangle

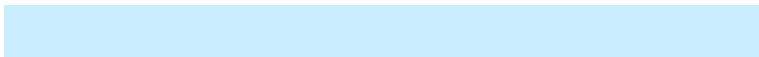
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7925, 0.3638, 0.3837



82.7925, 0.3131, 0.3817



82.7925, 0.2626, 0.2756



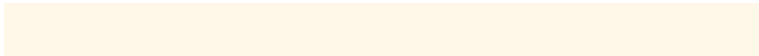
82.7925, 0.3095, 0.2830

Sweetspot

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



82.7963, 0.3638, 0.3837



94.4566, 0.3268, 0.3449



57.7375, 0.3596, 0.3055



20.0322, 0.3292, 0.3476



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.



82.7963, 0.3638, 0.3837



79.6809, 0.3758, 0.3953



93.2192, 0.3476, 0.4064



20.1531, 0.3276, 0.3458



28.7364, 0.4816, 0.4558



2.9857, 0.4728, 0.4628

Inverse Universe

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



58.5262, 0.2627, 0.2674



51.7192, 0.2513, 0.2521



50.9441, 0.2703, 0.2440



18.2314, 0.2979, 0.3116



6.5223, 0.1602, 0.0967



0.8128, 0.1662, 0.1184

Previews

White Background



This preview shows how the Yxy color 82.7925, 0.3638, 0.3837 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 82.7925, 0.3638, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

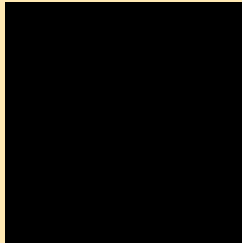
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7925, 0.3638, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 82.7925, 0.3638, 0.3837.



This preview shows how white text looks on a background with the Yxy color 82.7925, 0.3638, 0.3837.

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

82.7925, 0.3638, 0.3837

Protanopia

82.6502, 0.3600, 0.3842

Deuteranopia

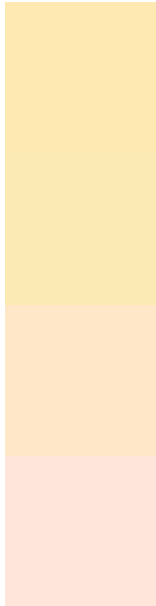
82.5568, 0.3428, 0.3482



Tritanopia

82.4894, 0.3237, 0.3162

Trichromacy



Original Color

82.7925, 0.3638, 0.3837

Protanomaly

82.8364, 0.3607, 0.3840

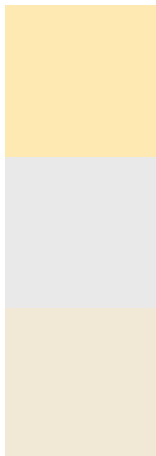
Deuteranomaly

82.5353, 0.3508, 0.3614

Tritanomaly

82.3606, 0.3382, 0.3401

Monochromacy



Original Color

82.7925, 0.3638, 0.3837

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7827, 0.3311, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7925, 0.3638, 0.3837 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, 233, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 179)  
}
```

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, 233, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 179) }
```

Border

The CSS property to change the border of an element to Yxy 82.7925, 0.3638, 0.3837 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, 233, 179) }
```

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

```
.border{ border-color:rgb(255, 233, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7925, 0.3638, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 179) }
```

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

```
.background{ background-color: rgb(255,  
233, 179) }
```

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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