

Converting Colors

$Y_{xy}(109.3872, 0.4401, 0.3699)$

Have a look what the booklet for
Yxy(109.3872, 0.4401, 0.3699)
contains.

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Color

Yxy(82.7522, 0.3645, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9B2
RGB	255, 233, 178
RGB Percent	100%, 91%, 70%
CMY	0.0001, 0.0862, 0.3020
CMYK	0.00, 0.09, 0.30, 0.00
HSL	43°, 100%, 85%
HSV	43°, 30%, 100%
XYZ	78.4070, 82.7522, 53.9492
YIQ	233.3080, 30.7670, -12.4410

Conversions

Conversions Part 2

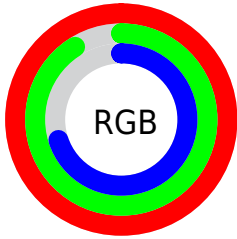
Format	Color
R _Y B	209, 255, 178
Decimal	16771506
CIE Lab	92.91, -0.49, 29.51
CIE LCh	93, 29.513, 90.953
Yxy	82.7522, 0.3645, 0.3847
Android (android.graphics.Color)	4294961586 (0xFFFFE9B2)
YUV	233.3080, -27.2668, 19.0239
Hunter-Lab	90.9682, -5.3423, 28.5155

Details

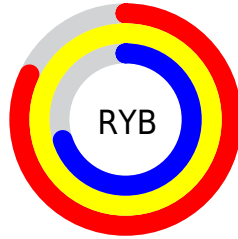
The Yxy color **82.7522, 0.3645, 0.3847** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.9641, 0.2619, 0.2662**, and the grayscale version is **81.9211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **44.7953, 0.3755, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **77.7914, 0.3840, 0.4033**, and if you desaturate by 10%, it is **88.0806, 0.3460, 0.3658**.

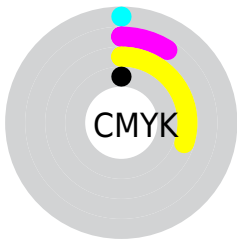
Distribution



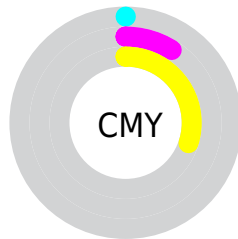
- Red (100%)
- Green (91%)
- Blue (70%)



- 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 82.7522, 0.3645, 0.3847 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 82.7522, 0.3645, 0.3847 by changing the saturation by 10% instead.


 82.7522, 0.3645,
0.3847

 82.7522, 0.3645,
0.3847

504.1603, 0.3413,
0.3597

 61.9857, 0.3696,
0.3902


 137.2283, 0.3566,
0.3762

 45.0212, 0.3757,
0.3968


171.7068, 0.3535,
0.3728

 31.4741, 0.3833,
0.4050


211.5248, 0.3508,
0.3699

 20.9601, 0.3927,
0.4153

257.0666, 0.3484,
0.3674

 13.0949, 0.4049,
0.4285

308.7166, 0.3463,
0.3651

 7.4939, 0.4208,
0.4458

366.8593, 0.3445,

 3.7729, 0.4429,

0.3631

0.4701

431.8791, 0.3428,
0.3613

■ 1.5473, 0.4843,
0.5157

■ 0.3217, 0.4773,
0.5227

■ 82.7522, 0.3645,
0.3847

■ 82.7522, 0.3645,
0.3847

■ 77.7914, 0.3840,
0.4033

■ 88.0806, 0.3460,
0.3658

■ 73.1744, 0.4039,
0.4207

■ 93.7770, 0.3288,
0.3472

■ 68.8912, 0.4236,
0.4359

■ 99.8563, 0.3130,
0.3293

■ 64.9269, 0.4421,
0.4477

■ 99.9958, 0.3127,
0.3290

■ 61.2644, 0.4584,
0.4551

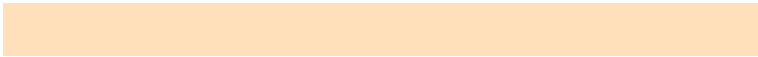
■ 57.8839, 0.4718,
0.4575

■ 54.8134, 0.4820,
0.4555

Harmonies

Analogous

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



82.7522, 0.3798, 0.3651



82.7522, 0.3645, 0.3847



82.7522, 0.3356, 0.3896

Triad

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



82.7522, 0.3645, 0.3847



82.7522, 0.2531, 0.3145



82.7522, 0.3213, 0.2879

Complementary

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



82.7522, 0.3645, 0.3847



57.9641, 0.2619, 0.2662

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.



82.7522, 0.2875, 0.2750



82.7522, 0.3645, 0.3847



82.7522, 0.2497, 0.2883

Square

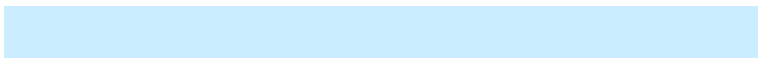
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7522, 0.3645, 0.3847



82.7522, 0.2717, 0.3473



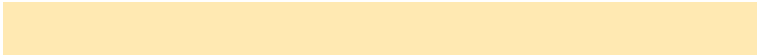
82.7522, 0.2619, 0.2747



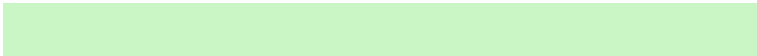
82.7522, 0.3542, 0.3104

Rectangle

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



82.7522, 0.3645, 0.3847



82.7522, 0.3129, 0.3825



82.7522, 0.2619, 0.2747



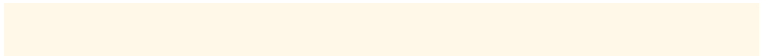
82.7522, 0.3096, 0.2823

Sweetspot

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



82.7560, 0.3645, 0.3847



94.5032, 0.3268, 0.3450



57.3102, 0.3605, 0.3051



20.0437, 0.3292, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

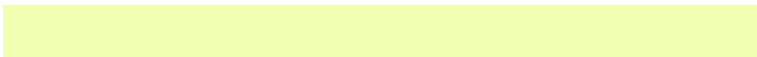
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7560, 0.3645, 0.3847



79.8479, 0.3757, 0.3956



93.1709, 0.3480, 0.4075



20.1636, 0.3276, 0.3459



28.9144, 0.4807, 0.4565



3.0019, 0.4721, 0.4634

Inverse Universe

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



57.9641, 0.2619, 0.2662



51.5887, 0.2512, 0.2518



50.4398, 0.2697, 0.2427



18.2214, 0.2979, 0.3115



6.4626, 0.1600, 0.0960



0.8059, 0.1660, 0.1176

Previews

White Background



This preview shows how the Yxy color 82.7522, 0.3645, 0.3847 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 82.7522, 0.3645, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

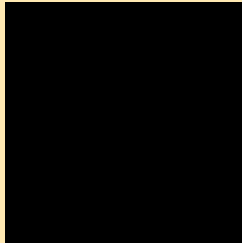
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.7522, 0.3645, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 82.7522, 0.3645, 0.3847.



This preview shows how white text looks on a background with the Yxy color 82.7522, 0.3645, 0.3847.

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

82.7522, 0.3645, 0.3847

Protanopia

82.6095, 0.3606, 0.3852

Deuteranopia

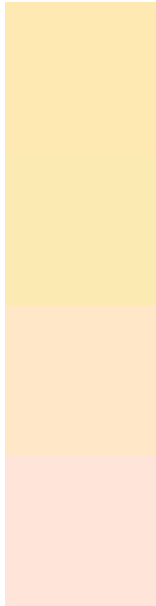
82.5568, 0.3428, 0.3482



Tritanopia

82.4894, 0.3237, 0.3162

Trichromacy



Original Color

82.7522, 0.3645, 0.3847

Protanomaly

82.7958, 0.3614, 0.3850

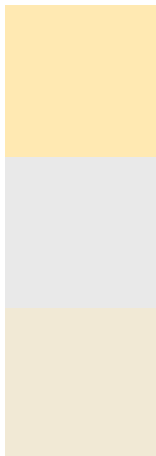
Deuteranomaly

82.5353, 0.3508, 0.3614

Tritanomaly

82.3084, 0.3389, 0.3411

Monochromacy



Original Color

82.7522, 0.3645, 0.3847

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 82.7522, 0.3645, 0.3847 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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, 233, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 178) }
```

Border

The CSS property to change the border of an element to Yxy 82.7522, 0.3645, 0.3847 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, 178) }
```

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

```
.border{ border-color:rgb(255, 233, 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, 233, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7522, 0.3645, 0.3847 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, 178) }
```

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

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