

Converting Colors

$Y_{xy}(100.0000, 0.4261, 0.3808)$

Have a look what the booklet for
Yxy(100.0000, 0.4261, 0.3808)
contains.

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Color

Yxy(82.4024, 0.3705, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9A9
RGB	255, 233, 169
RGB Percent	100%, 91%, 66%
CMY	0.0000, 0.0863, 0.3373
CMYK	0.00, 0.09, 0.34, 0.00
HSL	45°, 100%, 83%
HSV	45°, 34%, 100%
XYZ	77.5466, 82.4024, 49.3535
YIQ	232.2820, 33.6560, -15.2400

Conversions

Conversions Part 2

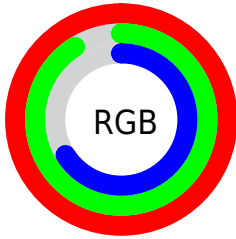
Format	Color
R _Y B	199, 255, 169
Decimal	16771497
CIE Lab	92.75, -1.55, 33.87
CIE LCh	93, 33.907, 92.620
Yxy	82.4024, 0.3705, 0.3937
Android (android.graphics.Color)	4294961577 (0xFFFFE9A9)
YUV	232.2820, -31.1980, 19.9237
Hunter-Lab	90.7758, -6.3713, 31.3079

Details

The Yxy color $82.4024, 0.3705, 0.3937$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $52.9176, 0.2550, 0.2544$, and the grayscale version is $81.1363, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2162, 0.3304, 0.3582$, and $44.5756, 0.3830, 0.4075$ is the 20% darker color. If you saturate the color by 10%, you get $77.9099, 0.3896, 0.4126$, and if you desaturate by 10%, it is $87.2170, 0.3520, 0.3741$.

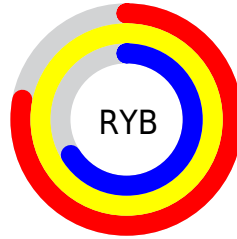
Distribution



Red (100%)

Green (91%)

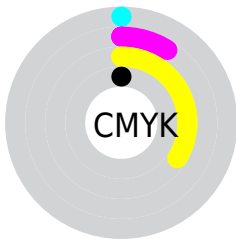
Blue (66%)



Red (78%)

Yellow (100%)

Blue (66%)

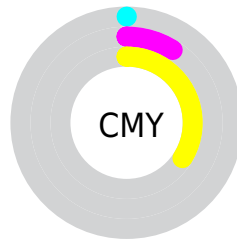


Cyan (0%)

Magenta (9%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4024, 0.3705, 0.3937 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 82.4024, 0.3705, 0.3937 by changing the saturation by 10% instead.


 82.4024, 0.3705,
0.3937

 82.4024, 0.3705,
0.3937


502.9927, 0.3447,
0.3647

 61.6973, 0.3761,
0.4000


 136.7382, 0.3618,
0.3839

 44.7881, 0.3828,
0.4077


171.1376, 0.3583,
0.3800

 31.2906, 0.3910,
0.4170

210.8706, 0.3553,
0.3766

 20.8202, 0.4011,
0.4287

256.3215, 0.3527,
0.3736

 12.9927, 0.4139,
0.4436

307.8748, 0.3504,
0.3710

 7.4235, 0.4301,
0.4627

365.9148, 0.3483,

 3.7283, 0.4565,

0.3687

0.4939

430.8260, 0.3464,
0.3666

■ 1.5228, 0.4779,
0.5221

■ 0.3047, 0.4524,
0.5476

■ 82.4024, 0.3705,
0.3937

■ 82.4024, 0.3705,
0.3937

■ 77.9099, 0.3896,
0.4126

■ 87.2170, 0.3520,
0.3741

■ 73.7289, 0.4087,
0.4299

■ 92.3670, 0.3345,
0.3547

■ 69.8455, 0.4270,
0.4445

■ 97.8624, 0.3184,
0.3358

■ 66.2445, 0.4436,
0.4553

100.0000, 0.3127,
0.3290

■ 62.9086, 0.4578,
0.4616

■ 59.8173, 0.4688,
0.4628

■ 57.9845, 0.4744,
0.4615

Harmonies

Analogous

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



82.4024, 0.3894, 0.3714



82.4024, 0.3705, 0.3937



82.4024, 0.3365, 0.3989

Triad

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



82.4024, 0.3705, 0.3937



82.4024, 0.2440, 0.3099



82.4024, 0.3246, 0.2833

Complementary

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



82.4024, 0.3705, 0.3937



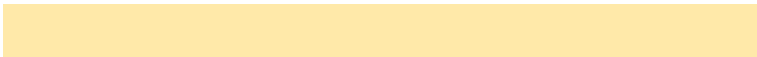
52.9176, 0.2550, 0.2544

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.



82.4024, 0.2856, 0.2680



82.4024, 0.3705, 0.3937



82.4024, 0.2412, 0.2808

Square

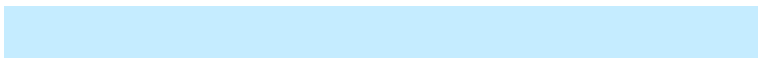
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4024, 0.3705, 0.3937



82.4024, 0.2640, 0.3478



82.4024, 0.2559, 0.2665



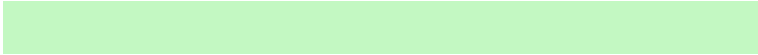
82.4024, 0.3623, 0.3092

Rectangle

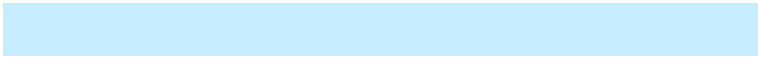
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4024, 0.3705, 0.3937



82.4024, 0.3104, 0.3900



82.4024, 0.2559, 0.2665



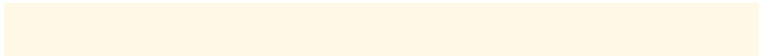
82.4024, 0.3112, 0.2768

Sweetspot

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



82.4018, 0.3705, 0.3937



94.3732, 0.3284, 0.3475



53.4391, 0.3709, 0.3052



20.0365, 0.3307, 0.3502



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

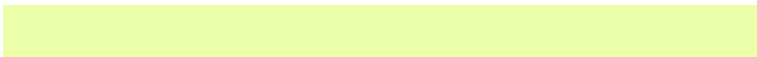
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4018, 0.3705, 0.3937



79.5461, 0.3824, 0.4057



92.0355, 0.3500, 0.4175



20.2576, 0.3276, 0.3466



30.5509, 0.4733, 0.4624



3.1501, 0.4658, 0.4684

Inverse Universe

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



52.9176, 0.2550, 0.2544



46.2705, 0.2431, 0.2377



46.4237, 0.2656, 0.2316



18.1329, 0.2979, 0.3108



5.9632, 0.1582, 0.0896



0.7471, 0.1641, 0.1106

Previews

White Background



This preview shows how the Yxy color 82.4024, 0.3705, 0.3937 looks on a white background.

Color Contrast Check

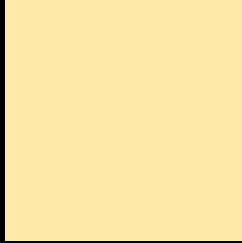
Large Text (above 18pt) WCAG AA × Fail

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 82.4024, 0.3705, 0.3937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

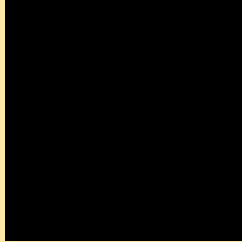
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4024, 0.3705, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 82.4024, 0.3705, 0.3937.



This preview shows how white text looks on a background with the Yxy color 82.4024, 0.3705, 0.3937.

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

82.4024, 0.3705, 0.3937

Protanopia

82.4057, 0.3679, 0.3952

Deuteranopia

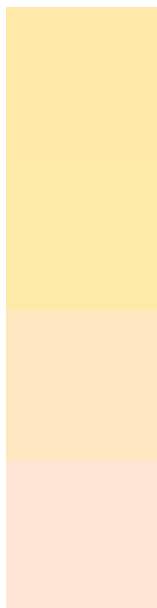
82.4077, 0.3449, 0.3512



Tritanopia

82.4302, 0.3244, 0.3172

Trichromacy



Original Color

82.4024, 0.3705, 0.3937

Protanomaly

82.5929, 0.3687, 0.3950

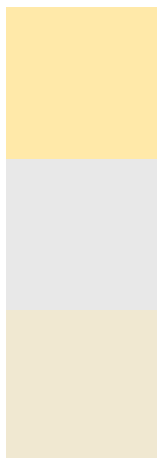
Deuteranomaly

82.3069, 0.3542, 0.3665

Tritanomaly

82.1537, 0.3409, 0.3441

Monochromacy



Original Color

82.4024, 0.3705, 0.3937

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8419, 0.3331, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4024, 0.3705, 0.3937 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 169) }
```

Border

The CSS property to change the border of an element to Yxy 82.4024, 0.3705, 0.3937 is called "border". The border property can be set on classes, ids or directly on the HTML element.

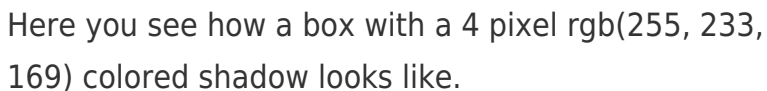
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 233, 169) }
```

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

```
.border{ border-color:rgb(255, 233, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 169); box-shadow:4px 4px 4px 4px rgb(255, 233, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4024, 0.3705, 0.3937 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, 169) }
```

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

```
.background{ background-color: rgb(255,  
233, 169) }
```

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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