

Converting Colors

$Y_{xy}(100.0000, 0.4378, 0.3953)$

Have a look what the booklet for
Yxy(100.0000, 0.4378, 0.3953)
contains.

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Color

Yxy(82.3076, 0.3824, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA96
RGB	255, 234, 150
RGB Percent	100%, 92%, 59%
CMY	0.0000, 0.0824, 0.4119
CMYK	0.00, 0.08, 0.41, 0.00
HSL	48°, 100%, 79%
HSV	48°, 41%, 100%
XYZ	76.1724, 82.3076, 40.7156
YIQ	230.7030, 39.4800, -21.6720

Conversions

Conversions Part 2

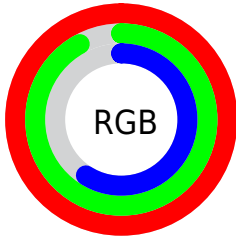
Format	Color
RYB	176, 255, 150
Decimal	16771734
CIELab	92.71, -4.15, 43.34
CIElCh	93, 43.541, 95.465
Yxy	82.3076, 0.3824, 0.4132
Android (android.graphics.Color)	4294961814 (0xFFFFEA96)
YUV	230.7030, -39.7866, 21.3085
Hunter-Lab	90.7235, -8.8958, 36.8979

Details

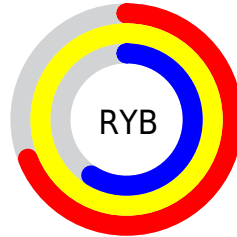
The Yxy color **82.3076, 0.3824, 0.4132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.8188, 0.2397, 0.2272**, and the grayscale version is **79.9554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **44.5929, 0.3967, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **78.7115, 0.4001, 0.4320**, and if you desaturate by 10%, it is **86.1650, 0.3644, 0.3929**.

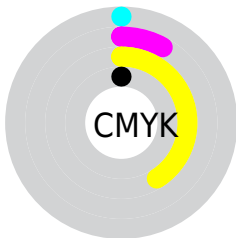
Distribution



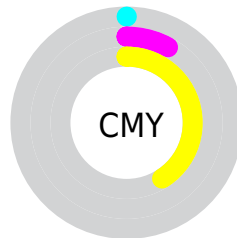
- Red (100%)
- Green (92%)
- Blue (59%)



- Red (69%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (8%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3076, 0.3824, 0.4132 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 82.3076, 0.3824, 0.4132 by changing the saturation by 10% instead.

 82.3076, 0.3824,
0.4132


 82.3076, 0.3824,
0.4132


502.6760, 0.3518,
0.3756

 61.6191, 0.3888,
0.4213


 136.6053, 0.3722,
0.4005

 44.7250, 0.3964,
0.4309


 170.9833, 0.3681,
0.3955

 31.2409, 0.4054,
0.4426


210.6932, 0.3646,
0.3911

 20.7823, 0.4163,
0.4569

256.1195, 0.3614,
0.3872

 12.9650, 0.4291,
0.4744

307.6465, 0.3586,
0.3838

 7.4044, 0.4435,
0.4954

365.6587, 0.3561,

 3.7163, 0.4685,

0.3808

0.5315

430.5404, 0.3539,
0.3781

■ 1.5162, 0.4618,
0.5382

■ 0.3001, 0.3801,
0.6199

■ 82.3076, 0.3824,
0.4132

■ 82.3076, 0.3824,
0.4132

■ 78.7115, 0.4001,
0.4320

■ 86.1650, 0.3644,
0.3929

■ 75.3658, 0.4169,
0.4483

■ 90.2965, 0.3469,
0.3720

■ 72.2561, 0.4320,
0.4610

■ 94.7122, 0.3301,
0.3513

■ 69.3668, 0.4446,
0.4693

■ 99.4217, 0.3145,
0.3313

■ 66.6789, 0.4543,
0.4728

100.0000, 0.3127,
0.3290

■ 64.4515, 0.4606,
0.4725

Harmonies

Analogous

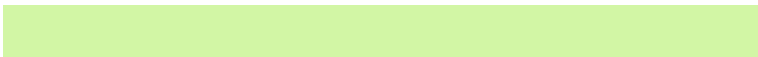
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3076, 0.4097, 0.3848



82.3076, 0.3824, 0.4132



82.3076, 0.3374, 0.4192

Triad

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



82.3076, 0.3824, 0.4132



82.3076, 0.2246, 0.2992



82.3076, 0.3324, 0.2741

Complementary

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



82.3076, 0.3824, 0.4132



42.8188, 0.2397, 0.2272

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.



82.3076, 0.2821, 0.2536



82.3076, 0.3824, 0.4132



82.3076, 0.2235, 0.2646

Square

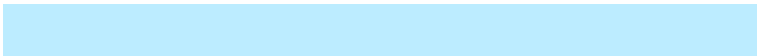
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3076, 0.3824, 0.4132



82.3076, 0.2472, 0.3481



82.3076, 0.2435, 0.2495



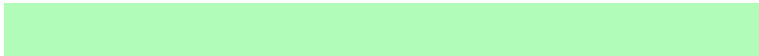
82.3076, 0.3805, 0.3070

Rectangle

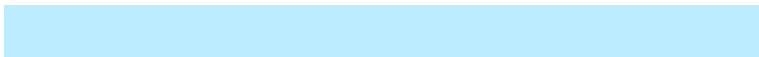
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3076, 0.3824, 0.4132



82.3076, 0.3041, 0.4063



82.3076, 0.2435, 0.2495



82.3076, 0.3151, 0.2657

Sweetspot

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



82.3071, 0.3824, 0.4132



94.3417, 0.3314, 0.3530



46.0049, 0.3972, 0.3072



20.0667, 0.3336, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

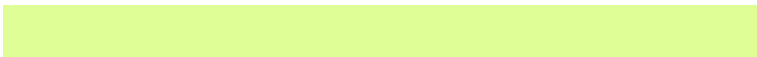
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3071, 0.3824, 0.4132



79.4756, 0.3963, 0.4281



89.4877, 0.3528, 0.4394



20.4373, 0.3274, 0.3479



33.8943, 0.4598, 0.4731



3.4495, 0.4543, 0.4775

Inverse Universe

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



42.8188, 0.2397, 0.2272



35.4238, 0.2243, 0.2038



38.9077, 0.2579, 0.2085



17.9658, 0.2979, 0.3094



5.1743, 0.1554, 0.0794



0.6487, 0.1607, 0.0984

Previews

White Background



This preview shows how the Yxy color 82.3076, 0.3824, 0.4132 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 82.3076, 0.3824, 0.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

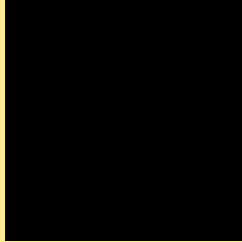
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3076, 0.3824, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 82.3076, 0.3824, 0.4132.



This preview shows how white text looks on a background with the Yxy color 82.3076, 0.3824, 0.4132.

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

82.3076, 0.3824, 0.4132

Protanopia

82.3076, 0.3824, 0.4132

Deuteranopia

82.2614, 0.3469, 0.3543



Tritanopia

82.3712, 0.3250, 0.3182

Trichromacy

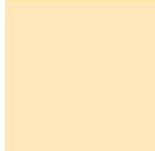


Original Color

82.3076, 0.3824, 0.4132

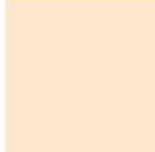
Protanomaly

82.3076, 0.3824, 0.4132



Deuteranomaly

81.9146, 0.3603, 0.3757



Tritanomaly

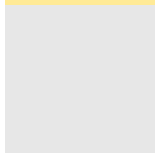
82.3099, 0.3462, 0.3532

Monochromacy



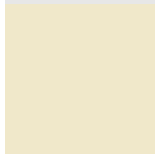
Original Color

82.3076, 0.3824, 0.4132



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

80.5028, 0.3378, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3076, 0.3824, 0.4132 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, 234, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 150)  
}
```

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, 234, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 150) }
```

Border

The CSS property to change the border of an element to Yxy 82.3076, 0.3824, 0.4132 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, 234, 150) }
```

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

```
.border{ border-color:rgb(255, 234, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3076, 0.3824, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 150) }
```

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

```
.background{ background-color: rgb(255,  
234, 150) }
```

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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