

Converting Colors

$Y_{xy}(93.4621, 0.4136, 0.3841)$

Have a look what the booklet for
Yxy(93.4621, 0.4136, 0.3841)
contains.

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Color

Yxy(81.2018, 0.3724, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A7
RGB	255, 231, 167
RGB Percent	100%, 91%, 65%
CMY	0.0001, 0.0941, 0.3449
CMYK	0.00, 0.09, 0.34, 0.00
HSL	44°, 100%, 83%
HSV	44°, 34%, 100%
XYZ	76.7891, 81.2018, 48.2097
YIQ	230.8800, 34.8480, -14.8160

Conversions

Conversions Part 2

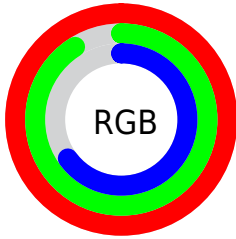
Format	Color
R_{YB}	200, 255, 167
Decimal	16770983
CIE _{Lab}	92.22, -0.79, 34.15
CIE _{LCh}	92, 34.162, 91.323
Yxy	81.2018, 0.3724, 0.3938
Android (android.graphics.Color)	4294961063 (0xFFFFE7A7)
YUV	230.8800, -31.4928, 21.1532
Hunter-Lab	90.1120, -5.5870, 31.3584

Details

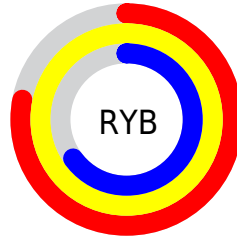
The Yxy color **81.2018, 0.3724, 0.3938** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7111, 0.2538, 0.2542**, and the grayscale version is **80.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **44.1359, 0.3852, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **76.5388, 0.3919, 0.4123**, and if you desaturate by 10%, it is **86.2127, 0.3536, 0.3746**.

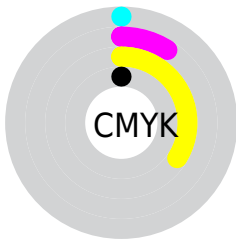
Distribution



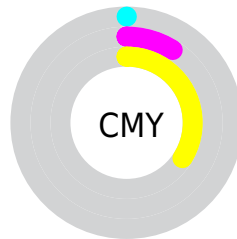
- Red (100%)
- Green (91%)
- Blue (65%)



- Red (78%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (9%)
- Yellow (34%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2018, 0.3724, 0.3938 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 81.2018, 0.3724, 0.3938 by changing the saturation by 10% instead.


 81.2018, 0.3724,
0.3938


 81.2018, 0.3724,
0.3938


498.9738, 0.3457,
0.3647

 60.7078, 0.3782,
0.4001


 135.0541, 0.3634,
0.3839

 43.9894, 0.3852,
0.4078


 169.1812, 0.3598,
0.3800

 30.6622, 0.3937,
0.4171


208.6214, 0.3567,
0.3766

 20.3417, 0.4043,
0.4288

253.7592, 0.3539,
0.3737

 12.6437, 0.4177,
0.4436

304.9790, 0.3515,
0.3710

 7.1837, 0.4346,
0.4624

362.6650, 0.3494,

 3.5772, 0.4642,

0.3687

0.4955

427.2019, 0.3474,
0.3666

■ 1.4400, 0.4824,
0.5176

■ 0.2459, 0.4659,
0.5341

■ 81.2018, 0.3724,
0.3938

■ 81.2018, 0.3724,
0.3938

■ 76.5388, 0.3919,
0.4123

■ 86.2127, 0.3536,
0.3746

■ 72.1998, 0.4114,
0.4291

■ 91.5722, 0.3359,
0.3555

■ 68.1747, 0.4303,
0.4432

■ 97.2950, 0.3196,
0.3370

■ 64.4478, 0.4474,
0.4534

99.9962, 0.3127,
0.3290

■ 61.0015, 0.4620,
0.4590

■ 57.8142, 0.4735,
0.4595

■ 56.1511, 0.4787,
0.4581

Harmonies

Analogous

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



81.2018, 0.3907, 0.3706



81.2018, 0.3724, 0.3938



81.2018, 0.3384, 0.4001

Triad

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



81.2018, 0.3724, 0.3938



81.2018, 0.2437, 0.3112



81.2018, 0.3230, 0.2819

Complementary

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



81.2018, 0.3724, 0.3938



52.7111, 0.2538, 0.2542

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.



81.2018, 0.2838, 0.2669



81.2018, 0.3724, 0.3938



81.2018, 0.2401, 0.2812

Square

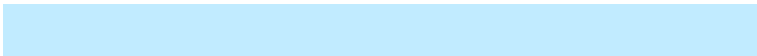
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2018, 0.3724, 0.3938



81.2018, 0.2646, 0.3497



81.2018, 0.2542, 0.2661



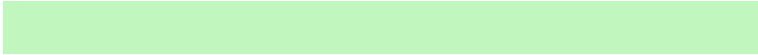
81.2018, 0.3615, 0.3077

Rectangle

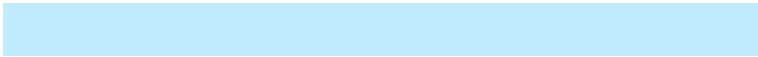
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2018, 0.3724, 0.3938



81.2018, 0.3120, 0.3917



81.2018, 0.2542, 0.2661



81.2018, 0.3094, 0.2755

Sweetspot

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



81.2055, 0.3724, 0.3938



94.1097, 0.3284, 0.3471



52.7169, 0.3713, 0.3031



19.9725, 0.3307, 0.3497



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

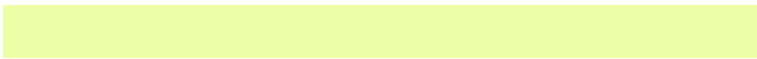
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2055, 0.3724, 0.3938



78.1409, 0.3851, 0.4060



92.1198, 0.3518, 0.4193



20.2040, 0.3276, 0.3462



29.6070, 0.4775, 0.4590



3.0647, 0.4693, 0.4655

Inverse Universe

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



52.7111, 0.2538, 0.2542



45.9675, 0.2416, 0.2372



45.3273, 0.2633, 0.2288



18.1834, 0.2979, 0.3112



6.2408, 0.1592, 0.0932



0.7801, 0.1652, 0.1146

Previews

White Background



This preview shows how the Yxy color 81.2018, 0.3724, 0.3938 looks on a white background.

Color Contrast Check

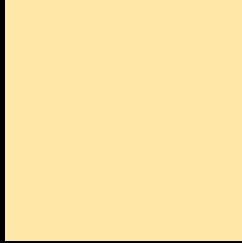
Large Text (above 18pt) WCAG AA × Fail

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 81.2018, 0.3724, 0.3938 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 81.2018, 0.3724, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 81.2018, 0.3724, 0.3938.



This preview shows how white text looks on a background with the Yxy color 81.2018, 0.3724, 0.3938.

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

81.2018, 0.3724, 0.3938

Protanopia

81.4290, 0.3674, 0.3956

Deuteranopia

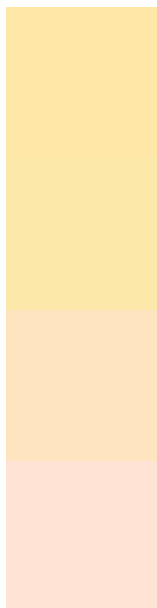
81.1064, 0.3480, 0.3533



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

81.2018, 0.3724, 0.3938

Protanomaly

81.2358, 0.3692, 0.3943

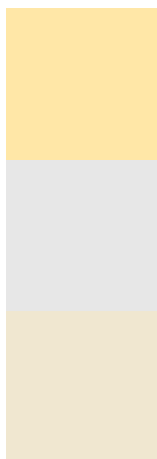
Deuteranomaly

81.0602, 0.3567, 0.3676

Tritanomaly

80.9516, 0.3426, 0.3442

Monochromacy



Original Color

81.2018, 0.3724, 0.3938

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2312, 0.3339, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2018, 0.3724, 0.3938 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, 231, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 167)  
}
```

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, 231, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 167) }
```

Border

The CSS property to change the border of an element to Yxy 81.2018, 0.3724, 0.3938 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, 231, 167) }
```

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

```
.border{ border-color:rgb(255, 231, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 231, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2018, 0.3724, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 167) }
```

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

```
.background{ background-color: rgb(255,  
231, 167) }
```

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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