

Converting Colors

$Y_{xy}(100.0000, 0.4281, 0.3797)$

Have a look what the booklet for
Yxy(100.0000, 0.4281, 0.3797)
contains.

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Color

Yxy(81.8004, 0.3715, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8A8
RGB	255, 232, 168
RGB Percent	100%, 91%, 66%
CMY	0.0000, 0.0902, 0.3413
CMYK	0.00, 0.09, 0.34, 0.00
HSL	44°, 100%, 83%
HSV	44°, 34%, 100%
XYZ	77.1682, 81.8004, 48.7520
YIQ	231.5810, 34.2520, -15.0280

Conversions

Conversions Part 2

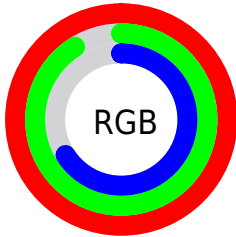
Format	Color
R_{YB}	199, 255, 168
Decimal	16771240
CIE _{Lab}	92.49, -1.17, 34.04
CIE _{LCh}	92, 34.060, 91.963
Yxy	81.8004, 0.3715, 0.3938
Android (android.graphics.Color)	4294961320 (0xFFFFE8A8)
YUV	231.5810, -31.3454, 20.5385
Hunter-Lab	90.4436, -5.9766, 31.3513

Details

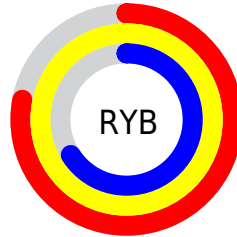
The Yxy color **81.8004, 0.3715, 0.3938** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7897, 0.2544, 0.2543**, and the grayscale version is **80.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **44.5524, 0.3838, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **77.2195, 0.3908, 0.4125**, and if you desaturate by 10%, it is **86.7121, 0.3528, 0.3744**.

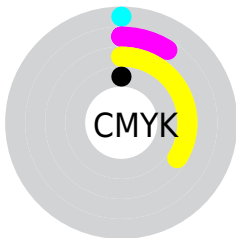
Distribution



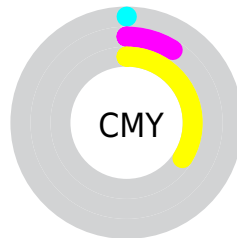
- Red (100%)
- Green (91%)
- Blue (66%)



- 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 81.8004, 0.3715, 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 81.8004, 0.3715, 0.3938 by changing the saturation by 10% instead.


 81.8004, 0.3715,
0.3938


 81.8004, 0.3715,
0.3938


500.9798, 0.3452,
0.3647

 61.2010, 0.3772,
0.4001


 135.8941, 0.3626,
0.3839

 44.3874, 0.3840,
0.4078


 170.1571, 0.3591,
0.3800

 30.9752, 0.3924,
0.4172


209.7436, 0.3560,
0.3767

 20.5800, 0.4028,
0.4289

255.0377, 0.3534,
0.3737

 12.8173, 0.4159,
0.4437

306.4240, 0.3510,
0.3710

 7.3029, 0.4324,
0.4626

364.2869, 0.3489,

 3.6522, 0.4604,

0.3687

0.4948

429.0107, 0.3470,
0.3666

■ 1.4810, 0.4801,
0.5199

■ 0.2753, 0.4586,
0.5414

■ 81.8004, 0.3715,
0.3938

■ 81.8004, 0.3715,
0.3938

■ 77.2195, 0.3908,
0.4125

■ 86.7121, 0.3528,
0.3744

■ 72.9585, 0.4101,
0.4296

■ 91.9677, 0.3353,
0.3551

■ 69.0029, 0.4287,
0.4439

■ 97.5777, 0.3190,
0.3365

■ 65.3377, 0.4456,
0.4544

100.0000, 0.3127,
0.3290

■ 61.9453, 0.4599,
0.4603

■ 58.8045, 0.4711,
0.4611

■ 57.0611, 0.4766,
0.4598

Harmonies

Analogous

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



81.8004, 0.3901, 0.3710



81.8004, 0.3715, 0.3938



81.8004, 0.3375, 0.3995

Triad

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



81.8004, 0.3715, 0.3938



81.8004, 0.2438, 0.3106



81.8004, 0.3238, 0.2826

Complementary

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



81.8004, 0.3715, 0.3938



52.7897, 0.2544, 0.2543

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.



81.8004, 0.2847, 0.2674



81.8004, 0.3715, 0.3938



81.8004, 0.2406, 0.2810

Square

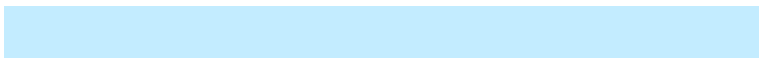
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8004, 0.3715, 0.3938



81.8004, 0.2643, 0.3488



81.8004, 0.2550, 0.2663



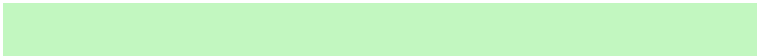
81.8004, 0.3620, 0.3084

Rectangle

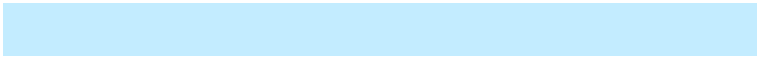
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8004, 0.3715, 0.3938



81.8004, 0.3112, 0.3909



81.8004, 0.2550, 0.2663



81.8004, 0.3103, 0.2761

Sweetspot

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



81.7999, 0.3715, 0.3938



94.2407, 0.3284, 0.3473



53.0237, 0.3718, 0.3049



20.0043, 0.3307, 0.3500



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

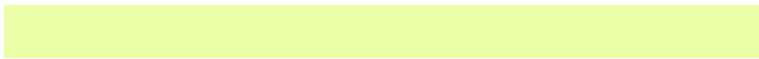
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7999, 0.3715, 0.3938



78.6179, 0.3847, 0.4068



91.9560, 0.3505, 0.4186



20.2306, 0.3276, 0.3464



30.0730, 0.4754, 0.4607



3.1069, 0.4675, 0.4670

Inverse Universe

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



52.7897, 0.2544, 0.2543



45.6190, 0.2414, 0.2361



45.9409, 0.2650, 0.2303



18.1583, 0.2979, 0.3110



6.1003, 0.1587, 0.0914



0.7635, 0.1646, 0.1126

Previews

White Background



This preview shows how the Yxy color 81.8004, 0.3715, 0.3938 looks on a white background.

Color Contrast Check

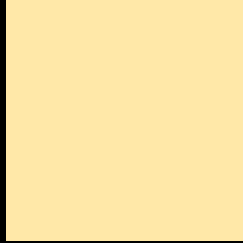
Large Text (above 18pt) WCAG AA × Fail

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 81.8004, 0.3715, 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 81.8004, 0.3715, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 81.8004, 0.3715, 0.3938.



This preview shows how white text looks on a background with the Yxy color 81.8004, 0.3715, 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

81.8004, 0.3715, 0.3938

Protanopia

81.6516, 0.3675, 0.3944

Deuteranopia

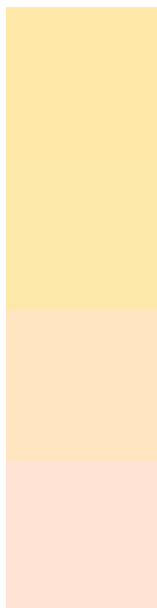
81.7549, 0.3464, 0.3523



Tritanopia

81.8258, 0.3251, 0.3172

Trichromacy



Original Color

81.8004, 0.3715, 0.3938

Protanomaly

81.8378, 0.3683, 0.3942

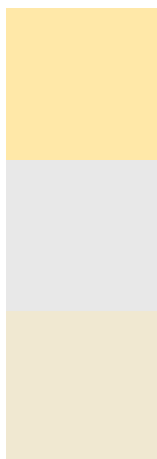
Deuteranomaly

81.6594, 0.3558, 0.3675

Tritanomaly

81.5509, 0.3418, 0.3441

Monochromacy



Original Color

81.8004, 0.3715, 0.3938

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 81.8004, 0.3715, 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, 232, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 168)  
}
```

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, 232, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 168) }
```

Border

The CSS property to change the border of an element to Yxy 81.8004, 0.3715, 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, 232, 168) }
```

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

```
.border{ border-color:rgb(255, 232, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8004, 0.3715, 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, 232, 168) }
```

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

```
.background{ background-color: rgb(255,  
232, 168) }
```

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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