

Converting Colors

$Y_{xy}(112.3022, 0.4446, 0.3622)$

Have a look what the booklet for
Yxy(112.3022, 0.4446, 0.3622)
contains.

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Color

Yxy(81.8725, 0.3610, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7B8
RGB	255, 231, 184
RGB Percent	100%, 91%, 72%
CMY	0.0001, 0.0941, 0.2785
CMYK	0.00, 0.09, 0.28, 0.00
HSL	40°, 100%, 86%
HSV	40°, 28%, 100%
XYZ	78.4602, 81.8725, 57.0086
YIQ	232.8180, 29.3910, -9.5290

Conversions

Conversions Part 2

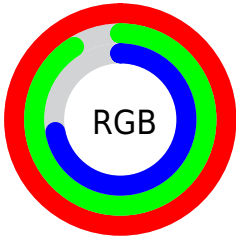
Format	Color
R_{YB}	220, 255, 184
Decimal	16771000
CIE Lab	92.52, 1.28, 25.90
CIE LCh	93, 25.936, 87.161
Yxy	81.8725, 0.3610, 0.3767
Android (android.graphics.Color)	4294961080 (0xFFFFE7B8)
YUV	232.8180, -24.0673, 19.4536
Hunter-Lab	90.4834, -3.5646, 25.9830

Details

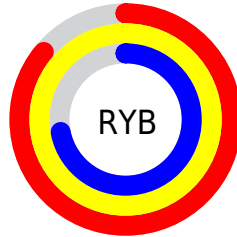
The Yxy color **81.8725, 0.3610, 0.3767** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4960, 0.2667, 0.2761**, and the grayscale version is **81.5092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **44.6951, 0.3717, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **76.2010, 0.3812, 0.3943**, and if you desaturate by 10%, it is **87.9811, 0.3422, 0.3591**.

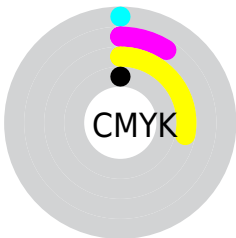
Distribution



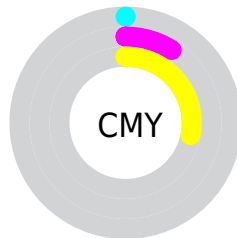
- Red (100%)
- Green (91%)
- Blue (72%)



- Red (86%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (9%)
- Yellow (28%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8725, 0.3610, 0.3767 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 81.8725, 0.3610, 0.3767 by changing the saturation by 10% instead.

 81.8725, 0.3610,
0.3767

 81.8725, 0.3610,
0.3767


501.2211, 0.3392,
0.3553

 61.2604, 0.3658,
0.3814

 135.9952, 0.3536,
0.3694

 44.4354, 0.3717,
0.3871


170.2746, 0.3506,
0.3665

 31.0129, 0.3789,
0.3942


209.8786, 0.3481,
0.3640

 20.6087, 0.3881,
0.4031

255.1916, 0.3459,
0.3619

 12.8383, 0.4001,
0.4146

306.5979, 0.3439,
0.3599

 7.3173, 0.4161,
0.4299

364.4820, 0.3422,

 3.6613, 0.4383,

0.3582

0.4506

429.2283, 0.3406,
0.3567

■ 1.4860, 0.4951,
0.5049

■ 0.2788, 0.5153,
0.4847

■ 81.8725, 0.3610,
0.3767

■ 81.8725, 0.3610,
0.3767

■ 76.2010, 0.3812,
0.3943

■ 87.9811, 0.3422,
0.3591

■ 70.9417, 0.4024,
0.4110

■ 94.5285, 0.3250,
0.3419

■ 66.0836, 0.4239,
0.4258

99.9956, 0.3127,
0.3290

■ 61.6105, 0.4448,
0.4375

■ 57.5045, 0.4640,
0.4451

■ 53.7451, 0.4804,
0.4477

■ 50.3058, 0.4936,
0.4451

■ 49.5977, 0.4962,
0.4442

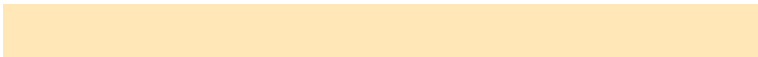
Harmonies

Analogous

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



81.8725, 0.3724, 0.3585



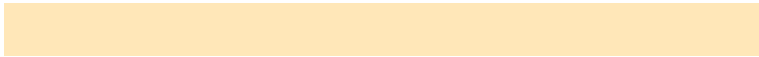
81.8725, 0.3610, 0.3767



81.8725, 0.3367, 0.3826

Triad

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



81.8725, 0.3610, 0.3767



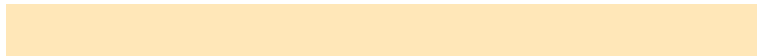
81.8725, 0.2613, 0.3199



81.8725, 0.3165, 0.2905

Complementary

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



81.8725, 0.3610, 0.3767



62.4960, 0.2667, 0.2761

Split Complementary

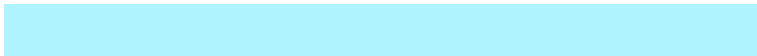
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8725, 0.2871, 0.2803



81.8725, 0.3610, 0.3767



81.8725, 0.2564, 0.2956

Square

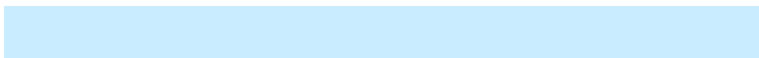
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8725, 0.3610, 0.3767



81.8725, 0.2794, 0.3487



81.8725, 0.2656, 0.2818



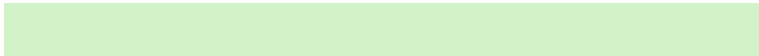
81.8725, 0.3460, 0.3097

Rectangle

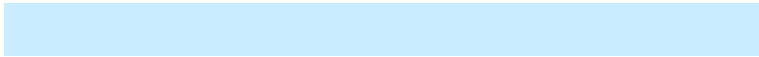
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8725, 0.3610, 0.3767



81.8725, 0.3169, 0.3776



81.8725, 0.2656, 0.2818



81.8725, 0.3062, 0.2859

Sweetspot

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



81.8762, 0.3610, 0.3767



94.4400, 0.3253, 0.3422



60.1279, 0.3526, 0.3035



19.9972, 0.3278, 0.3447



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.



81.8762, 0.3610, 0.3767



78.9114, 0.3713, 0.3858



94.2575, 0.3477, 0.4006



19.9972, 0.3278, 0.3447



26.2084, 0.4946, 0.4455



2.7540, 0.4838, 0.4541

Inverse Universe

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



62.4960, 0.2667, 0.2761



56.8254, 0.2574, 0.2646



53.0494, 0.2711, 0.2497



18.3797, 0.2979, 0.3128



7.5025, 0.1635, 0.1086



0.9229, 0.1697, 0.1310

Previews

White Background



This preview shows how the Yxy color 81.8725, 0.3610, 0.3767 looks on a white background.

Color Contrast Check

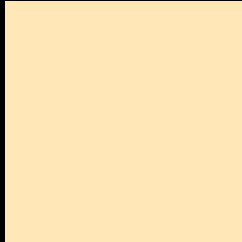
Large Text (above 18pt) WCAG AA × Fail

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 81.8725, 0.3610, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

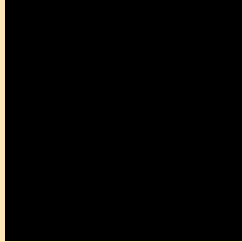
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8725, 0.3610, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 81.8725, 0.3610, 0.3767.



This preview shows how white text looks on a background with the Yxy color 81.8725, 0.3610, 0.3767.

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

81.8725, 0.3610, 0.3767

Protanopia

81.7371, 0.3547, 0.3784

Deuteranopia

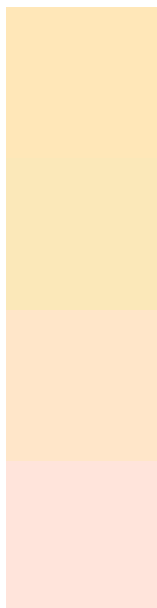
81.9518, 0.3437, 0.3482



Tritanopia

81.8847, 0.3245, 0.3162

Trichromacy



Original Color

81.8725, 0.3610, 0.3767

Protanomaly

81.7252, 0.3571, 0.3771

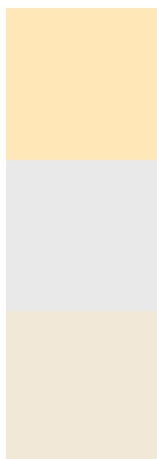
Deuteranomaly

82.0707, 0.3496, 0.3583

Tritanomaly

81.8613, 0.3377, 0.3381

Monochromacy



Original Color

81.8725, 0.3610, 0.3767

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3203, 0.3299, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8725, 0.3610, 0.3767 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 184) }
```

Border

The CSS property to change the border of an element to Yxy 81.8725, 0.3610, 0.3767 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, 184) }
```

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

```
.border{ border-color:rgb(255, 231, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8725, 0.3610, 0.3767 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, 184) }
```

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

```
.background{ background-color: rgb(255,  
231, 184) }
```

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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