

Converting Colors

$Y_{xy}(100.0000, 0.4070, 0.3748)$

Have a look what the booklet for
Yxy(100.0000, 0.4070, 0.3748)
contains.

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Color

Yxy(85.2473, 0.3601, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDB7
RGB	255, 237, 183
RGB Percent	100%, 93%, 72%
CMY	0.0001, 0.0705, 0.2824
CMYK	0.00, 0.07, 0.28, 0.00
HSL	45°, 100%, 86%
HSV	45°, 28%, 100%
XYZ	80.0666, 85.2473, 57.0316
YIQ	236.2260, 28.0620, -12.9780

Conversions

Conversions Part 2

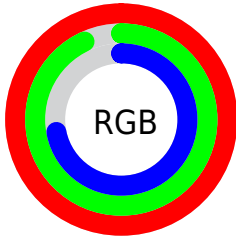
Format	Color
R _Y B	207, 255, 183
Decimal	16772535
CIE Lab	93.99, -1.88, 28.42
CIE LCh	94, 28.480, 93.778
Yxy	85.2473, 0.3601, 0.3834
Android (android.graphics.Color)	4294962615 (0xFFFFEDB7)
YUV	236.2260, -26.2404, 16.4648
Hunter-Lab	92.3295, -6.7842, 28.0074

Details

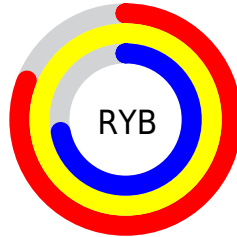
The Yxy color **85.2473, 0.3601, 0.3834** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.0450, 0.2652, 0.2679**, and the grayscale version is **84.2525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **46.6652, 0.3705, 0.3944** is the 20% darker color. If you saturate the color by 10%, you get **80.6624, 0.3788, 0.4029**, and if you desaturate by 10%, it is **90.1632, 0.3422, 0.3637**.

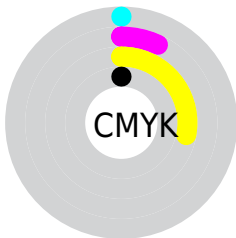
Distribution



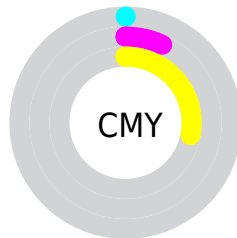
- Red (100%)
- Green (93%)
- Blue (72%)



- Red (81%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2473, 0.3601, 0.3834 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 85.2473, 0.3601, 0.3834 by changing the saturation by 10% instead.

 85.2473, 0.3601,
0.3834

 85.2473, 0.3601,
0.3834


512.4460, 0.3390,
0.3590

 64.0457, 0.3647,
0.3887


 140.7186, 0.3530,
0.3751

 46.6877, 0.3702,
0.3952


175.7572, 0.3501,
0.3718

 32.7889, 0.3770,
0.4032


216.1769, 0.3477,
0.3690

 21.9647, 0.3856,
0.4133

262.3621, 0.3455,
0.3665

 13.8310, 0.3965,
0.4264

314.6972, 0.3436,
0.3643

 8.0032, 0.4108,
0.4437

373.5667, 0.3419,

 4.0970, 0.4297,

0.3623

0.4672

439.3548, 0.3404,
0.3606

■ 1.7280, 0.4764,
0.5236

■ 0.4417, 0.4585,
0.5415

■ 85.2473, 0.3601,
0.3834

■ 85.2473, 0.3601,
0.3834

■ 80.6624, 0.3788,
0.4029

■ 90.1632, 0.3422,
0.3637

■ 76.3851, 0.3979,
0.4213

■ 95.4093, 0.3255,
0.3443

■ 72.4065, 0.4165,
0.4377

99.9970, 0.3127,
0.3290

■ 68.7127, 0.4340,
0.4508

■ 65.2878, 0.4493,
0.4597

■ 62.1134, 0.4618,
0.4638

■ 59.1645, 0.4713,
0.4631

■ 58.6607, 0.4728,
0.4628

Harmonies

Analogous

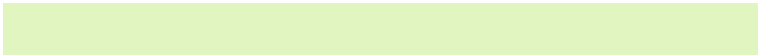
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2473, 0.3761, 0.3658



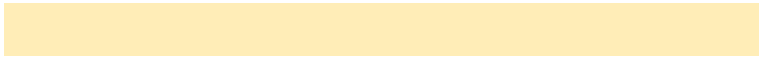
85.2473, 0.3601, 0.3834



85.2473, 0.3316, 0.3864

Triad

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



85.2473, 0.3601, 0.3834



85.2473, 0.2547, 0.3125



85.2473, 0.3241, 0.2913

Complementary

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



85.2473, 0.3601, 0.3834



59.0450, 0.2652, 0.2679

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.



85.2473, 0.2915, 0.2779



85.2473, 0.3601, 0.3834



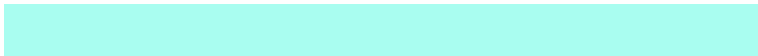
85.2473, 0.2528, 0.2884

Square

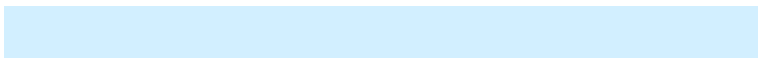
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2473, 0.3601, 0.3834



85.2473, 0.2712, 0.3435



85.2473, 0.2659, 0.2765



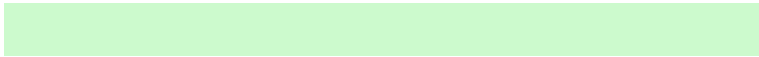
85.2473, 0.3550, 0.3136

Rectangle

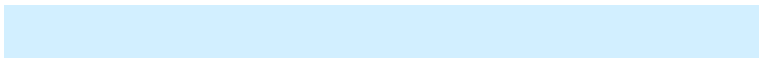
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2473, 0.3601, 0.3834



85.2473, 0.3099, 0.3784



85.2473, 0.2659, 0.2765



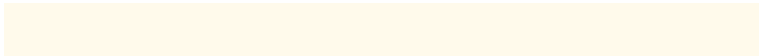
85.2473, 0.3129, 0.2857

Sweetspot

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



85.2512, 0.3601, 0.3834



95.5485, 0.3251, 0.3439



59.3397, 0.3595, 0.3105



20.2774, 0.3275, 0.3467



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

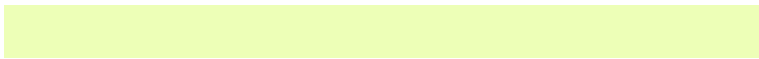
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2512, 0.3601, 0.3834



82.5772, 0.3708, 0.3947



92.9310, 0.3434, 0.4028



20.2774, 0.3275, 0.3467



30.9051, 0.4718, 0.4636



3.1820, 0.4645, 0.4694

Inverse Universe

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



59.0450, 0.2652, 0.2679



52.3810, 0.2544, 0.2531



53.5016, 0.2755, 0.2496



18.1144, 0.2979, 0.3106



5.8659, 0.1579, 0.0884



0.7354, 0.1637, 0.1092

Previews

White Background



This preview shows how the Yxy color 85.2473, 0.3601, 0.3834 looks on a white background.

Color Contrast Check

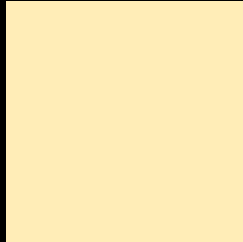
Large Text (above 18pt) WCAG AA × Fail

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 85.2473, 0.3601, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

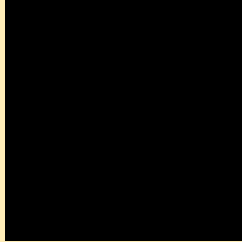
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2473, 0.3601, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 85.2473, 0.3601, 0.3834.



This preview shows how white text looks on a background with the Yxy color 85.2473, 0.3601, 0.3834.

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

85.2473, 0.3601, 0.3834

Protanopia

85.0581, 0.3594, 0.3835

Deuteranopia

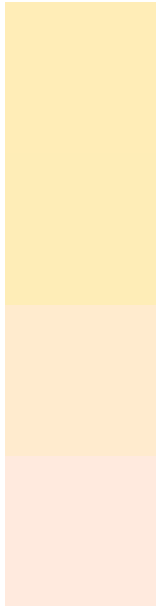
85.2201, 0.3368, 0.3440



Tritanopia

85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.2473, 0.3601, 0.3834

Protanomaly

85.0581, 0.3594, 0.3835

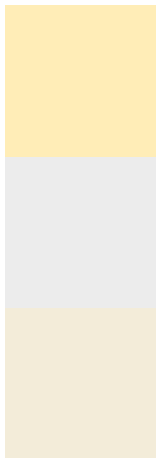
Deuteranomaly

85.1329, 0.3453, 0.3581

Tritanomaly

85.3796, 0.3349, 0.3410

Monochromacy



Original Color

85.2473, 0.3601, 0.3834

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0553, 0.3295, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2473, 0.3601, 0.3834 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, 237, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 183)  
}
```

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, 237, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 183) }
```

Border

The CSS property to change the border of an element to Yxy 85.2473, 0.3601, 0.3834 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, 237, 183) }
```

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

```
.border{ border-color:rgb(255, 237, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2473, 0.3601, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 183) }
```

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

```
.background{ background-color: rgb(255,  
237, 183) }
```

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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