

Converting Colors

$Y_{xy}(100.0000, 0.4053, 0.3712)$

Have a look what the booklet for
Yxy(100.0000, 0.4053, 0.3712)
contains.

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Color

Yxy(85.3735, 0.3581, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	FFEDBA
RGB	255, 237, 186
RGB Percent	100%, 93%, 73%
CMY	0.0002, 0.0705, 0.2706
CMYK	0.00, 0.07, 0.27, 0.00
HSL	44°, 100%, 86%
HSV	44°, 27%, 100%
XYZ	80.3687, 85.3735, 58.6887
YIQ	236.5680, 27.0990, -12.0450

Conversions

Conversions Part 2

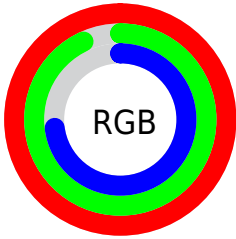
Format	Color
R _Y B	210, 255, 186
Decimal	16772538
CIE Lab	94.04, -1.52, 26.97
CIE LCh	94, 27.008, 93.221
Yxy	85.3735, 0.3581, 0.3804
Android (android.graphics.Color)	4294962618 (0xFFFFEDBA)
YUV	236.5680, -24.9300, 16.1649
Hunter-Lab	92.3978, -6.4347, 27.0190

Details

The Yxy color **85.3735, 0.3581, 0.3804** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.7900, 0.2675, 0.2717**, and the grayscale version is **84.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **46.7470, 0.3680, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **80.6234, 0.3769, 0.3998**, and if you desaturate by 10%, it is **90.4663, 0.3402, 0.3609**.

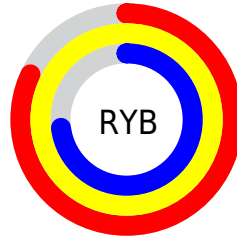
Distribution



Red (100%)

Green (93%)

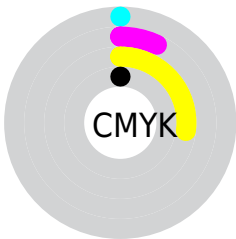
Blue (73%)



Red (82%)

Yellow (100%)

Blue (73%)

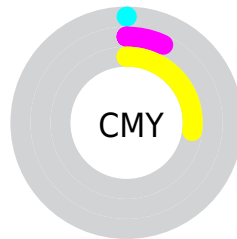


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3735, 0.3581, 0.3804 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 85.3735, 0.3581, 0.3804 by changing the saturation by 10% instead.


 85.3735, 0.3581,
0.3804

 85.3735, 0.3581,
0.3804


512.8631, 0.3379,
0.3574

 64.1500, 0.3625,
0.3855


 140.8949, 0.3512,
0.3726

 46.7722, 0.3678,
0.3916


175.9616, 0.3485,
0.3695

 32.8556, 0.3744,
0.3992


216.4115, 0.3462,
0.3668

 22.0159, 0.3827,
0.4088

262.6291, 0.3441,
0.3644

 13.8686, 0.3933,
0.4212

314.9986, 0.3423,
0.3624

 8.0293, 0.4074,
0.4378

373.9045, 0.3406,

 4.1137, 0.4261,

0.3605

0.4604

439.7313, 0.3392,
0.3588

■ 1.7374, 0.4785,
0.5215

■ 0.4477, 0.4646,
0.5354

■ 85.3735, 0.3581,
0.3804

■ 85.3735, 0.3581,
0.3804

■ 80.6234, 0.3769,
0.3998

■ 90.4663, 0.3402,
0.3609

■ 76.1928, 0.3962,
0.4182

■ 95.9014, 0.3236,
0.3419

■ 72.0726, 0.4153,
0.4346

99.9882, 0.3127,
0.3290

■ 68.2489, 0.4333,
0.4480

■ 64.7059, 0.4493,
0.4573

■ 61.4254, 0.4626,
0.4618

■ 58.3845, 0.4727,
0.4614

■ 57.5224, 0.4754,
0.4607

Harmonies

Analogous

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



85.3735, 0.3729, 0.3637



85.3735, 0.3581, 0.3804



85.3735, 0.3313, 0.3833

Triad

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



85.3735, 0.3581, 0.3804



85.3735, 0.2578, 0.3140



85.3735, 0.3230, 0.2928

Complementary

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



85.3735, 0.3581, 0.3804



60.7900, 0.2675, 0.2717

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.



85.3735, 0.2921, 0.2803



85.3735, 0.3581, 0.3804



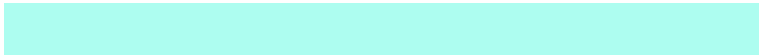
85.3735, 0.2557, 0.2909

Square

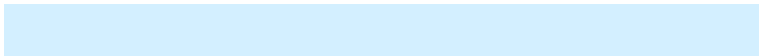
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3735, 0.3581, 0.3804



85.3735, 0.2738, 0.3433



85.3735, 0.2679, 0.2792



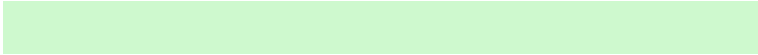
85.3735, 0.3523, 0.3140

Rectangle

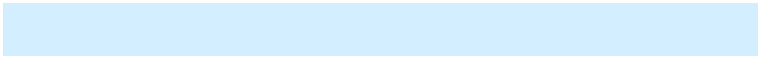
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3735, 0.3581, 0.3804



85.3735, 0.3107, 0.3760



85.3735, 0.2679, 0.2792



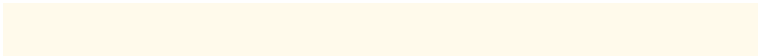
85.3735, 0.3124, 0.2875

Sweetspot

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



85.3774, 0.3581, 0.3804



95.4207, 0.3251, 0.3437



60.7380, 0.3559, 0.3101



20.2451, 0.3276, 0.3465



0.0000, 0.0000, 0.0000



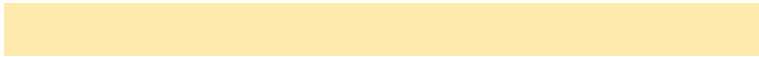
21.4041, 0.3127, 0.3290

Same Dimension

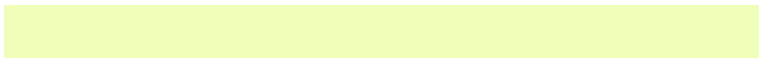
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3774, 0.3581, 0.3804



83.0271, 0.3673, 0.3901



93.3494, 0.3429, 0.3994



20.2451, 0.3276, 0.3465



30.3281, 0.4743, 0.4616



3.1300, 0.4666, 0.4677

Inverse Universe

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



60.7900, 0.2675, 0.2717



54.9990, 0.2583, 0.2593



54.8953, 0.2766, 0.2531



18.1447, 0.2979, 0.3109



6.0262, 0.1585, 0.0904



0.7547, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 85.3735, 0.3581, 0.3804 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 85.3735, 0.3581, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

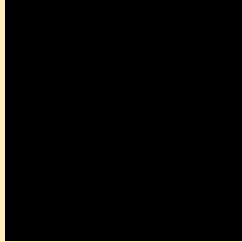
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3735, 0.3581, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 85.3735, 0.3581, 0.3804.



This preview shows how white text looks on a background with the Yxy color 85.3735, 0.3581, 0.3804.

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

85.3735, 0.3581, 0.3804

Protanopia

85.5769, 0.3565, 0.3816

Deuteranopia

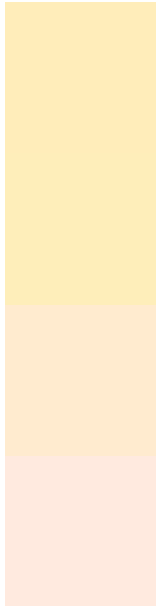
85.2201, 0.3368, 0.3440



Tritanopia

85.5049, 0.3207, 0.3173

Trichromacy



Original Color

85.3735, 0.3581, 0.3804

Protanomaly

85.7651, 0.3572, 0.3814

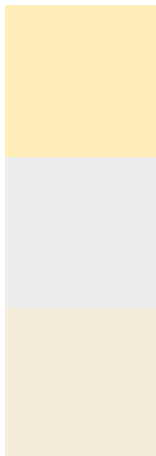
Deuteranomaly

85.1817, 0.3447, 0.3571

Tritanomaly

85.4334, 0.3342, 0.3400

Monochromacy



Original Color

85.3735, 0.3581, 0.3804

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.8634, 0.3294, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3735, 0.3581, 0.3804 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 186) }
```

Border

The CSS property to change the border of an element to Yxy 85.3735, 0.3581, 0.3804 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, 186) }
```

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

```
.border{ border-color:rgb(255, 237, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3735, 0.3581, 0.3804 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, 186) }
```

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

```
.background{ background-color: rgb(255,  
237, 186) }
```

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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