

Converting Colors

$Y_{xy}(86.3171, 0.3762, 0.3693)$

Have a look what the booklet for
Yxy(86.3171, 0.3762, 0.3693)
contains.

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Color

Yxy(81.4845, 0.3585, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	FFE6BC
RGB	255, 230, 188
RGB Percent	100%, 90%, 74%
CMY	0.0001, 0.0980, 0.2626
CMYK	0.00, 0.10, 0.26, 0.00
HSL	38°, 100%, 87%
HSV	38°, 26%, 100%
XYZ	78.6119, 81.4845, 59.1837
YIQ	232.6870, 28.3820, -7.7620

Conversions

Conversions Part 2

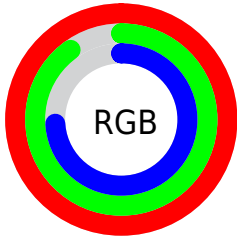
Format	Color
R _Y B	228, 255, 188
Decimal	16770748
CIE Lab	92.35, 2.33, 23.58
CIE LCh	92, 23.698, 84.365
Yxy	81.4845, 0.3585, 0.3716
Android (android.graphics.Color)	4294960828 (0xFFFFE6BC)
YUV	232.6870, -22.0307, 19.5685
Hunter-Lab	90.2688, -2.5209, 24.3153

Details

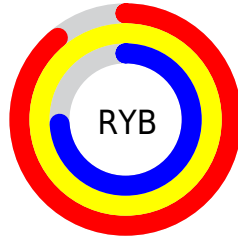
The Yxy color **81.4845, 0.3585, 0.3716** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.5096, 0.2698, 0.2823**, and the grayscale version is **81.3934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **44.4150, 0.3686, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **75.3328, 0.3791, 0.3884**, and if you desaturate by 10%, it is **88.1268, 0.3396, 0.3549**.

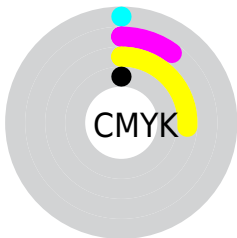
Distribution



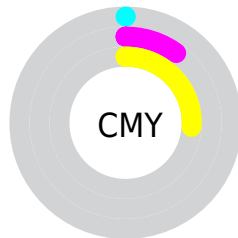
- Red (100%)
- Green (90%)
- Blue (74%)



- Red (89%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (10%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4845, 0.3585, 0.3716 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 81.4845, 0.3585, 0.3716 by changing the saturation by 10% instead.

 81.4845, 0.3585,
0.3716

 81.4845, 0.3585,
0.3716


499.9217, 0.3378,
0.3525

 60.9407, 0.3631,
0.3758

 135.4509, 0.3514,
0.3651

 44.1773, 0.3687,
0.3809

169.6422, 0.3486,
0.3625

 30.8099, 0.3757,
0.3872


209.1516, 0.3462,
0.3603

 20.4542, 0.3846,
0.3952

254.3633, 0.3441,
0.3584

 12.7256, 0.3963,
0.4056

305.6617, 0.3422,
0.3566

 7.2399, 0.4122,
0.4194

363.4314, 0.3406,

 3.6126, 0.4345,

0.3551

0.4384

428.0566, 0.3391,
0.3537

■ 1.4593, 0.5014,
0.4986

■ 0.2598, 0.5390,
0.4610

■ 81.4845, 0.3585,
0.3716

■ 81.4845, 0.3585,
0.3716

■ 75.3328, 0.3791,
0.3884

■ 88.1268, 0.3396,
0.3549

■ 69.6458, 0.4010,
0.4045

■ 95.2624, 0.3225,
0.3387

■ 64.4114, 0.4236,
0.4190

99.9964, 0.3127,
0.3290

■ 59.6124, 0.4461,
0.4306

■ 55.2299, 0.4672,
0.4383

■ 51.2424, 0.4859,
0.4409

■ 47.6243, 0.5011,
0.4382

■ 46.3512, 0.5062,
0.4363

Harmonies

Analogous

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



81.4845, 0.3675, 0.3543



81.4845, 0.3585, 0.3716



81.4845, 0.3372, 0.3780

Triad

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



81.4845, 0.3585, 0.3716



81.4845, 0.2666, 0.3233



81.4845, 0.3136, 0.2923

Complementary

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



81.4845, 0.3585, 0.3716



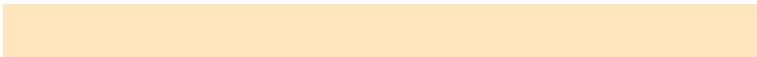
65.5096, 0.2698, 0.2823

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.



81.4845, 0.2871, 0.2838



81.4845, 0.3585, 0.3716



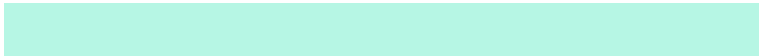
81.4845, 0.2608, 0.3003

Square

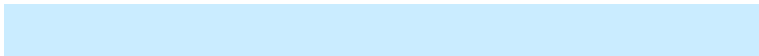
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4845, 0.3585, 0.3716



81.4845, 0.2843, 0.3494



81.4845, 0.2682, 0.2864



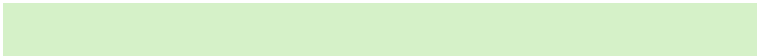
81.4845, 0.3409, 0.3094

Rectangle

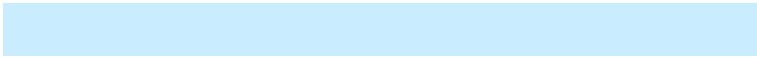
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4845, 0.3585, 0.3716



81.4845, 0.3192, 0.3743



81.4845, 0.2682, 0.2864



81.4845, 0.3043, 0.2883

Sweetspot

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



81.4882, 0.3585, 0.3716



93.9955, 0.3253, 0.3415



62.0800, 0.3478, 0.3028



19.8850, 0.3278, 0.3439



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

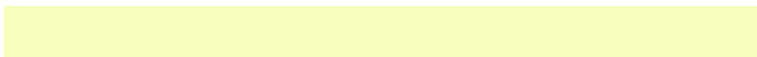
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4882, 0.3585, 0.3716



77.9058, 0.3701, 0.3813



94.9456, 0.3473, 0.3960



19.8850, 0.3278, 0.3439



24.5196, 0.5044, 0.4377



2.5971, 0.4921, 0.4475

Inverse Universe

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



65.5096, 0.2698, 0.2823



59.2593, 0.2597, 0.2703



54.9184, 0.2723, 0.2545



18.4877, 0.2979, 0.3137



8.3227, 0.1662, 0.1181



1.0116, 0.1724, 0.1406

Previews

White Background



This preview shows how the Yxy color 81.4845, 0.3585, 0.3716 looks on a white background.

Color Contrast Check

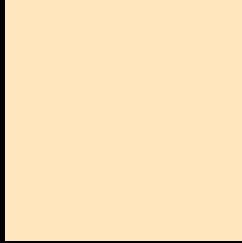
Large Text (above 18pt) WCAG AA × Fail

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 81.4845, 0.3585, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

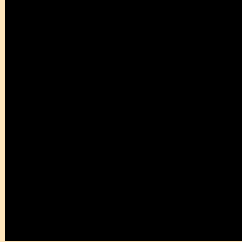
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4845, 0.3585, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 81.4845, 0.3585, 0.3716.



This preview shows how white text looks on a background with the Yxy color 81.4845, 0.3585, 0.3716.

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

81.4845, 0.3585, 0.3716

Protanopia

81.7261, 0.3513, 0.3744

Deuteranopia

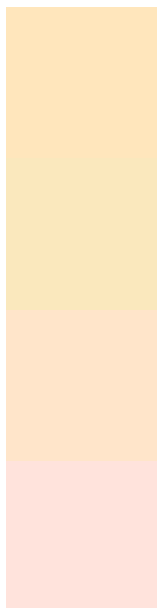
81.3999, 0.3439, 0.3472



Tritanopia

81.3424, 0.3245, 0.3152

Trichromacy



Original Color

81.4845, 0.3585, 0.3716

Protanomaly

81.7113, 0.3537, 0.3731

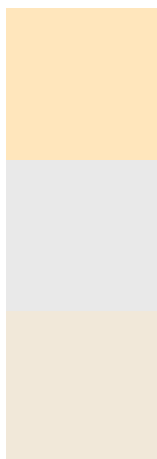
Deuteranomaly

81.5629, 0.3492, 0.3563

Tritanomaly

81.3655, 0.3372, 0.3361

Monochromacy



Original Color

81.4845, 0.3585, 0.3716

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4238, 0.3286, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4845, 0.3585, 0.3716 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, 230, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 188)  
}
```

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, 230, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 188) }
```

Border

The CSS property to change the border of an element to Yxy 81.4845, 0.3585, 0.3716 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, 230, 188) }
```

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

```
.border{ border-color:rgb(255, 230, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4845, 0.3585, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 188) }
```

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

```
.background{ background-color: rgb(255,  
230, 188) }
```

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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