

Converting Colors

$Y_{xy}(85.0513, 0.3570, 0.3776)$

Have a look what the booklet for
Yxy(85.0513, 0.3570, 0.3776)
contains.

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Color

Yxy(84.8817, 0.3571, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	FFECBC
RGB	255, 236, 188
RGB Percent	100%, 93%, 74%
CMY	0.0000, 0.0745, 0.2628
CMYK	0.00, 0.07, 0.26, 0.00
HSL	43°, 100%, 87%
HSV	43°, 26%, 100%
XYZ	80.3160, 84.8817, 59.7141
YIQ	236.2090, 26.7320, -10.9000

Conversions

Conversions Part 2

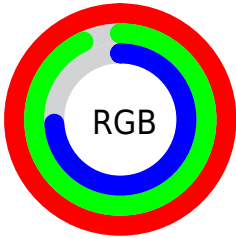
Format	Color
RYB	215, 255, 188
Decimal	16772284
CIELab	93.83, -0.71, 25.66
CIELCh	94, 25.668, 91.581
Yxy	84.8817, 0.3571, 0.3774
Android (android.graphics.Color)	4294962364 (0xFFFFEBCBC)
YUV	236.2090, -23.7670, 16.4797
Hunter-Lab	92.1313, -5.6213, 26.0636

Details

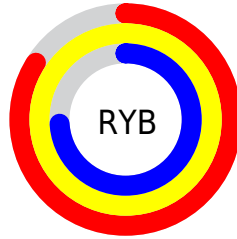
The Yxy color **84.8817, 0.3571, 0.3774** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.5229, 0.2690, 0.2753**, and the grayscale version is **84.2172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **46.3695, 0.3676, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **79.7988, 0.3762, 0.3963**, and if you desaturate by 10%, it is **90.3273, 0.3391, 0.3585**.

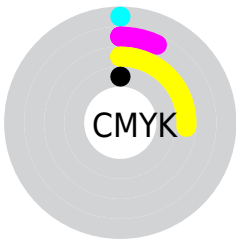
Distribution



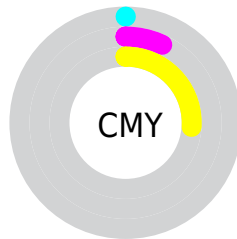
- Red (100%)
- Green (93%)
- Blue (74%)



- Red (84%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (7%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8817, 0.3571, 0.3774 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 84.8817, 0.3571, 0.3774 by changing the saturation by 10% instead.


 84.8817, 0.3571,
0.3774

 84.8817, 0.3571,
0.3774


511.2365, 0.3372,
0.3557

 63.7436, 0.3614,
0.3822


 140.2079, 0.3504,
0.3700

 46.4431, 0.3667,
0.3879


175.1648, 0.3477,
0.3671

 32.5956, 0.3732,
0.3951


215.4968, 0.3454,
0.3646

 21.8168, 0.3814,
0.4042

261.5882, 0.3434,
0.3624

 13.7224, 0.3921,
0.4159

313.8235, 0.3416,
0.3604

 7.9278, 0.4062,
0.4316

372.5871, 0.3400,

 4.0488, 0.4255,

0.3587

0.4532

438.2633, 0.3385,
0.3571

■ 1.7009, 0.4832,
0.5168

■ 0.4242, 0.4764,
0.5236

■ 84.8817, 0.3571,
0.3774

■ 84.8817, 0.3571,
0.3774

■ 79.7988, 0.3762,
0.3963

■ 90.3273, 0.3391,
0.3585

■ 75.0665, 0.3960,
0.4143

■ 96.1471, 0.3224,
0.3401

■ 70.6716, 0.4158,
0.4305

100.0000, 0.3127,
0.3290

■ 66.5997, 0.4348,
0.4438

■ 62.8347, 0.4520,
0.4531

■ 59.3582, 0.4665,
0.4575

■ 56.1473, 0.4779,
0.4569

■ 55.0098, 0.4816,
0.4558

Harmonies

Analogous

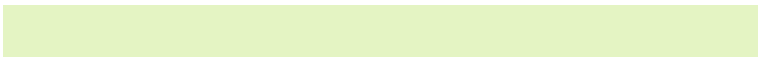
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8817, 0.3704, 0.3610



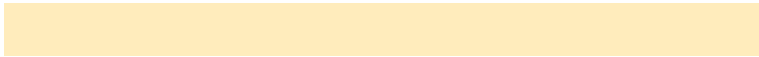
84.8817, 0.3571, 0.3774



84.8817, 0.3321, 0.3809

Triad

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



84.8817, 0.3571, 0.3774



84.8817, 0.2608, 0.3162



84.8817, 0.3209, 0.2936

Complementary

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



84.8817, 0.3571, 0.3774



62.5229, 0.2690, 0.2753

Split Complementary

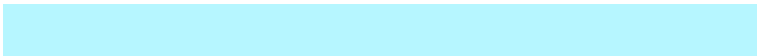
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8817, 0.2916, 0.2821



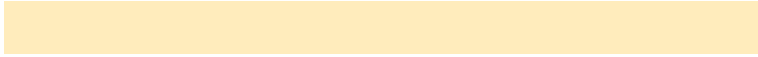
84.8817, 0.3571, 0.3774



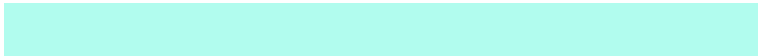
84.8817, 0.2581, 0.2937

Square

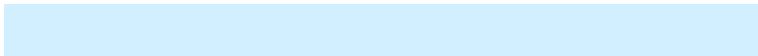
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8817, 0.3571, 0.3774



84.8817, 0.2768, 0.3442



84.8817, 0.2690, 0.2818



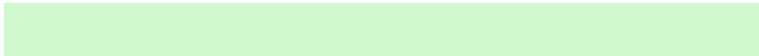
84.8817, 0.3490, 0.3135

Rectangle

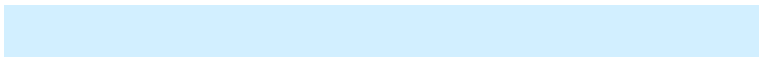
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8817, 0.3571, 0.3774



84.8817, 0.3124, 0.3744



84.8817, 0.2690, 0.2818



84.8817, 0.3108, 0.2886

Sweetspot

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



84.8816, 0.3571, 0.3774



95.1208, 0.3252, 0.3432



61.7753, 0.3525, 0.3084



20.1693, 0.3276, 0.3460



0.0000, 0.0000, 0.0000



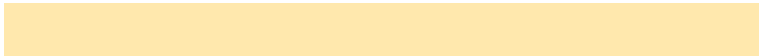
21.4041, 0.3127, 0.3290

Same Dimension

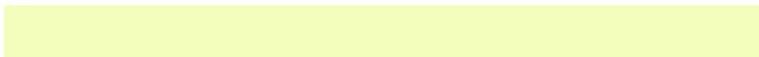
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8816, 0.3571, 0.3774



81.9322, 0.3679, 0.3882



93.9557, 0.3436, 0.3970



20.1693, 0.3276, 0.3460



29.0106, 0.4803, 0.4568



3.0106, 0.4717, 0.4637

Inverse Universe

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



62.5229, 0.2690, 0.2753



55.8697, 0.2586, 0.2616



55.6476, 0.2762, 0.2552



18.2161, 0.2979, 0.3115



6.4308, 0.1599, 0.0956



0.8022, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 84.8817, 0.3571, 0.3774 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 84.8817, 0.3571, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

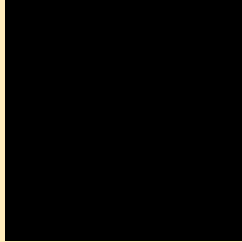
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

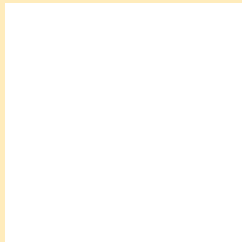
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8817, 0.3571, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 84.8817, 0.3571, 0.3774.



This preview shows how white text looks on a background with the Yxy color 84.8817, 0.3571, 0.3774.

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

84.8817, 0.3571, 0.3774

Protanopia

84.8947, 0.3547, 0.3787

Deuteranopia

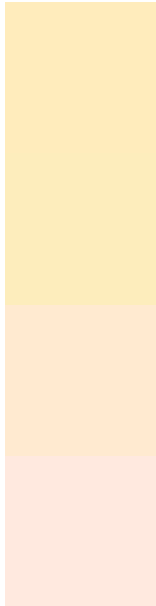
84.6523, 0.3370, 0.3430



Tritanopia

84.8829, 0.3214, 0.3173

Trichromacy



Original Color

84.8817, 0.3571, 0.3774

Protanomaly

85.0819, 0.3554, 0.3786

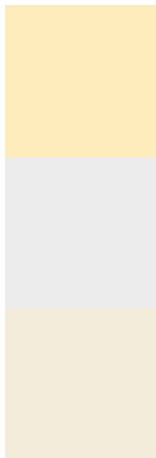
Deuteranomaly

84.6597, 0.3442, 0.3551

Tritanomaly

84.8655, 0.3343, 0.3390

Monochromacy



Original Color

84.8817, 0.3571, 0.3774

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1601, 0.3282, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8817, 0.3571, 0.3774 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, 236, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 188) }
```

Border

The CSS property to change the border of an element to Yxy 84.8817, 0.3571, 0.3774 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, 236, 188) }
```

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

```
.border{ border-color:rgb(255, 236, 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, 236, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 188); box-shadow:4px 4px 4px 4px rgb(255, 236, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8817, 0.3571, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 188) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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