

Converting Colors

$Y_{xy}(111.9535, 0.4322, 0.3748)$

Have a look what the booklet for
Yxy(111.9535, 0.4322, 0.3748)
contains.

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Color

Yxy(86.8348, 0.3619, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0B3
RGB	255, 240, 179
RGB Percent	100%, 94%, 70%
CMY	0.0000, 0.0588, 0.2980
CMYK	0.00, 0.06, 0.30, 0.00
HSL	48°, 100%, 85%
HSV	48°, 30%, 100%
XYZ	80.5369, 86.8348, 55.1675
YIQ	237.5310, 28.5210, -15.7910

Conversions

Conversions Part 2

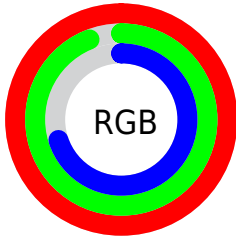
Format	Color
R_{YB}	198, 255, 179
Decimal	16773299
CIE Lab	94.67, -3.88, 31.36
CIE LCh	95, 31.603, 97.050
Yxy	86.8348, 0.3619, 0.3902
Android (android.graphics.Color)	4294963379 (0xFFFFF0B3)
YUV	237.5310, -28.8558, 15.3203
Hunter-Lab	93.1852, -8.8023, 30.1288

Details

The Yxy color **86.8348, 0.3619, 0.3902** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.3890, 0.2618, 0.2592**, and the grayscale version is **85.3320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **47.6577, 0.3716, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **82.9791, 0.3798, 0.4107**, and if you desaturate by 10%, it is **90.9713, 0.3445, 0.3692**.

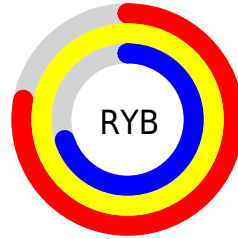
Distribution



Red (100%)

Green (94%)

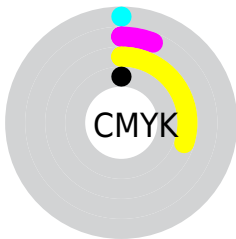
Blue (70%)



Red (78%)

Yellow (100%)

Blue (70%)

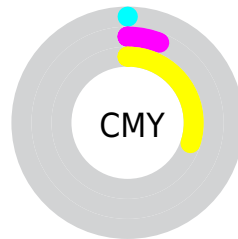


Cyan (0%)

Magenta (6%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8348, 0.3619, 0.3902 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 86.8348, 0.3619, 0.3902 by changing the saturation by 10% instead.


 86.8348, 0.3619,
0.3902

 86.8348, 0.3619,
0.3902

517.6799, 0.3402,
0.3628

 65.3585, 0.3666,
0.3962


 142.9339, 0.3546,
0.3809

 47.7518, 0.3722,
0.4035


178.3254, 0.3517,
0.3772

 33.6304, 0.3790,
0.4124


219.1242, 0.3492,
0.3740

 22.6098, 0.3875,
0.4236

265.7145, 0.3469,
0.3712

 14.3057, 0.3982,
0.4381

318.4809, 0.3450,
0.3687

 8.3336, 0.4118,
0.4572

377.8076, 0.3432,

 4.3091, 0.4294,

0.3665

0.4831

444.0792, 0.3416,
0.3646

■ 1.8479, 0.4650,
0.5350

■ 0.5168, 0.4342,
0.5658

■ 86.8348, 0.3619,
0.3902

■ 86.8348, 0.3619,
0.3902

■ 82.9791, 0.3798,
0.4107

■ 90.9713, 0.3445,
0.3692

■ 79.3811, 0.3975,
0.4298

■ 95.3872, 0.3279,
0.3485

■ 76.0327, 0.4145,
0.4466

99.9998, 0.3127,
0.3290

■ 72.9203, 0.4297,
0.4599

■ 70.0284, 0.4426,
0.4688

■ 67.3388, 0.4526,
0.4731

■ 64.8226, 0.4599,
0.4730

■ 64.7735, 0.4600,
0.4730

Harmonies

Analogous

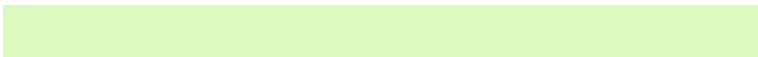
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8348, 0.3816, 0.3719



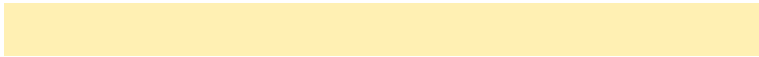
86.8348, 0.3619, 0.3902



86.8348, 0.3295, 0.3917

Triad

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



86.8348, 0.3619, 0.3902



86.8348, 0.2480, 0.3071



86.8348, 0.3292, 0.2899

Complementary

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



86.8348, 0.3619, 0.3902



55.3890, 0.2618, 0.2592

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.



86.8348, 0.2929, 0.2740



86.8348, 0.3619, 0.3902



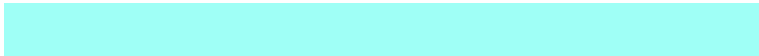
86.8348, 0.2478, 0.2820

Square

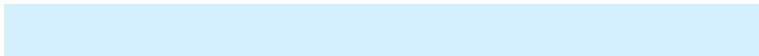
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8348, 0.3619, 0.3902



86.8348, 0.2644, 0.3411



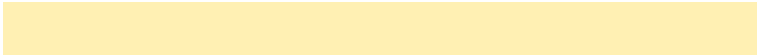
86.8348, 0.2637, 0.2708



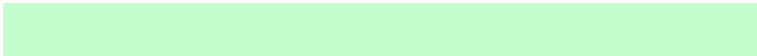
86.8348, 0.3625, 0.3150

Rectangle

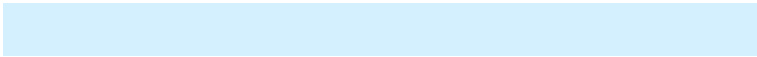
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8348, 0.3619, 0.3902



86.8348, 0.3055, 0.3816



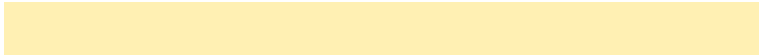
86.8348, 0.2637, 0.2708



86.8348, 0.3169, 0.2834

Sweetspot

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



86.8387, 0.3619, 0.3902



95.7540, 0.3266, 0.3469



57.4080, 0.3663, 0.3133



20.3532, 0.3289, 0.3499



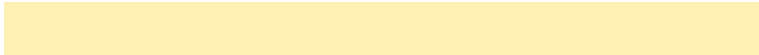
0.0000, 0.0000, 0.0000



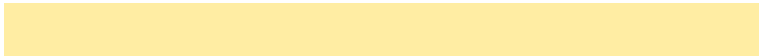
21.4041, 0.3127, 0.3290

Same Dimension

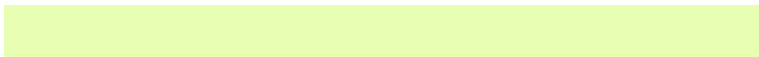
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8387, 0.3619, 0.3902



84.4151, 0.3730, 0.4030



91.9640, 0.3425, 0.4078



20.4459, 0.3274, 0.3479



34.0609, 0.4592, 0.4736



3.4644, 0.4538, 0.4779

Inverse Universe

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



55.3890, 0.2618, 0.2592



48.2024, 0.2498, 0.2419



51.9932, 0.2758, 0.2452



17.9578, 0.2979, 0.3093



5.1418, 0.1553, 0.0789



0.6445, 0.1605, 0.0979

Previews

White Background



This preview shows how the Yxy color 86.8348, 0.3619, 0.3902 looks on a white background.

Color Contrast Check

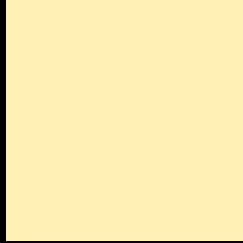
Large Text (above 18pt) WCAG AA × Fail

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 86.8348, 0.3619, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

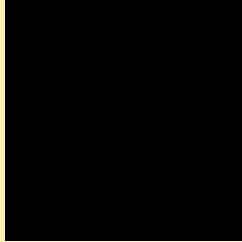
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8348, 0.3619, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 86.8348, 0.3619, 0.3902.



This preview shows how white text looks on a background with the Yxy color 86.8348, 0.3619, 0.3902.

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

86.8348, 0.3619, 0.3902

Protanopia

86.5809, 0.3570, 0.3812

Deuteranopia

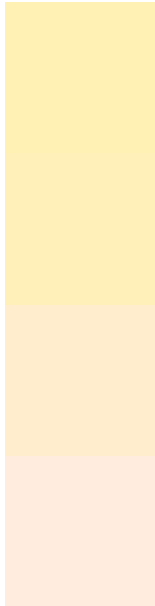
86.5248, 0.3346, 0.3429



Tritanopia

86.7595, 0.3193, 0.3173

Trichromacy



Original Color

86.8348, 0.3619, 0.3902

Protanomaly

86.4537, 0.3589, 0.3843

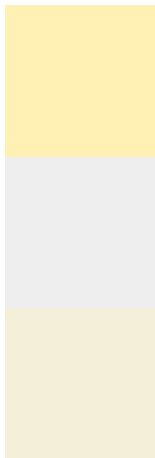
Deuteranomaly

86.2846, 0.3450, 0.3601

Tritanomaly

86.5248, 0.3346, 0.3429

Monochromacy



Original Color

86.8348, 0.3619, 0.3902

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9759, 0.3298, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8348, 0.3619, 0.3902 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, 240, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 179)  
}
```

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, 240, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 179) }
```

Border

The CSS property to change the border of an element to Yxy 86.8348, 0.3619, 0.3902 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, 240, 179) }
```

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

```
.border{ border-color:rgb(255, 240, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8348, 0.3619, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 179) }
```

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

```
.background{ background-color: rgb(255,  
240, 179) }
```

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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