

Converting Colors

$Y_{xy}(100.0000, 0.3987, 0.3759)$

Have a look what the booklet for
Yxy(100.0000, 0.3987, 0.3759)
contains.

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Color

Yxy(87.1253, 0.3574, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0BA
RGB	255, 240, 186
RGB Percent	100%, 94%, 73%
CMY	0.0000, 0.0588, 0.2707
CMYK	0.00, 0.06, 0.27, 0.00
HSL	47°, 100%, 86%
HSV	47°, 27%, 100%
XYZ	81.2593, 87.1253, 58.9778
YIQ	238.3290, 26.2740, -13.6140

Conversions

Conversions Part 2

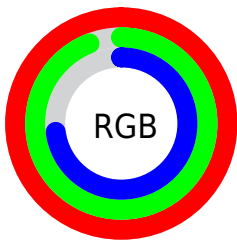
Format	Color
R_{YB}	205, 255, 186
Decimal	16773306
CIE Lab	94.79, -3.00, 27.99
CIE LCh	95, 28.148, 96.117
Yxy	87.1253, 0.3574, 0.3832
Android (android.graphics.Color)	4294963386 (0xFFFFF0BA)
YUV	238.3290, -25.7982, 14.6205
Hunter-Lab	93.3409, -7.9508, 27.8760

Details

The Yxy color **87.1253, 0.3574, 0.3832** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4139, 0.2671, 0.2682**, and the grayscale version is **85.9575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **47.9802, 0.3669, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **82.9295, 0.3755, 0.4035**, and if you desaturate by 10%, it is **91.6219, 0.3400, 0.3627**.

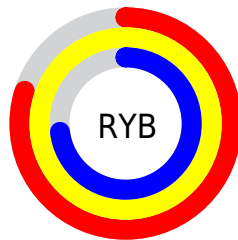
Distribution



Red (100%)

Green (94%)

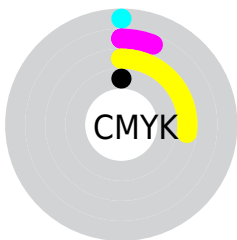
Blue (73%)



Red (80%)

Yellow (100%)

Blue (73%)

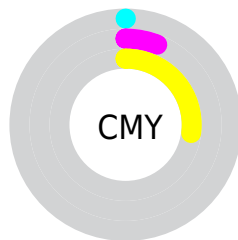


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1253, 0.3574, 0.3832 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 87.1253, 0.3574, 0.3832 by changing the saturation by 10% instead.


 87.1253, 0.3574,
0.3832

 87.1253, 0.3574,
0.3832


518.6345, 0.3376,
0.3589

 65.5989, 0.3617,
0.3885

 143.3388, 0.3507,
0.3749

 47.9469, 0.3668,
0.3950


178.7946, 0.3481,
0.3717

 33.7848, 0.3732,
0.4030


219.6625, 0.3458,
0.3689

 22.7283, 0.3811,
0.4130

266.3266, 0.3437,
0.3664

 14.3930, 0.3912,
0.4261

319.1715, 0.3419,
0.3642

 8.3945, 0.4044,
0.4435

378.5815, 0.3403,

 4.3484, 0.4217,

0.3622

0.4672

444.9411, 0.3389,
0.3605

■ 1.8703, 0.4702,
0.5298

■ 0.5304, 0.4483,
0.5517

■ 87.1253, 0.3574,
0.3832

■ 87.1253, 0.3574,
0.3832

■ 82.9295, 0.3755,
0.4035

■ 91.6219, 0.3400,
0.3627

■ 79.0117, 0.3938,
0.4227

■ 96.4179, 0.3236,
0.3427

■ 75.3635, 0.4116,
0.4399

99.9987, 0.3127,
0.3290

■ 71.9715, 0.4281,
0.4540

■ 68.8208, 0.4425,
0.4639

■ 65.8938, 0.4540,
0.4691

■ 63.1682, 0.4626,
0.4696

■ 62.3965, 0.4647,
0.4692

Harmonies

Analogous

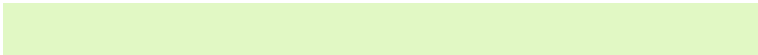
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1253, 0.3743, 0.3669



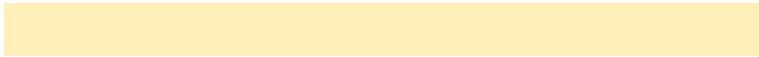
87.1253, 0.3574, 0.3832



87.1253, 0.3289, 0.3847

Triad

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



87.1253, 0.3574, 0.3832



87.1253, 0.2551, 0.3107



87.1253, 0.3264, 0.2934

Complementary

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



87.1253, 0.3574, 0.3832



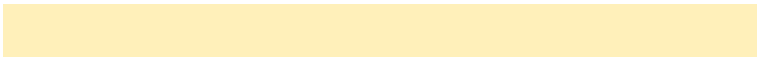
59.4139, 0.2671, 0.2682

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.



87.1253, 0.2942, 0.2794



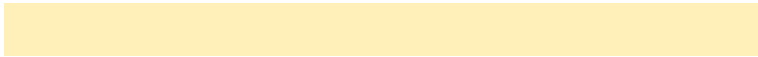
87.1253, 0.3574, 0.3832



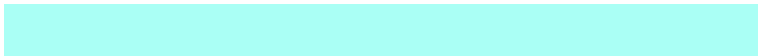
87.1253, 0.2544, 0.2878

Square

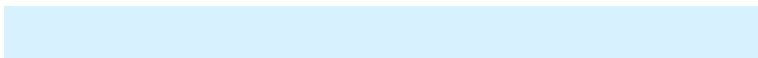
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1253, 0.3574, 0.3832



87.1253, 0.2703, 0.3408



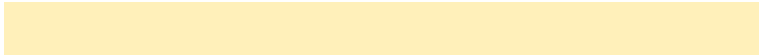
87.1253, 0.2683, 0.2770



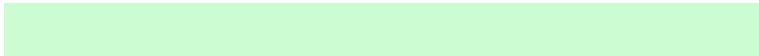
87.1253, 0.3562, 0.3159

Rectangle

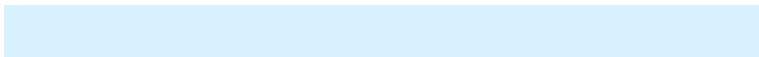
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1253, 0.3574, 0.3832



87.1253, 0.3074, 0.3760



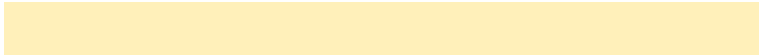
87.1253, 0.2683, 0.2770



87.1253, 0.3155, 0.2876

Sweetspot

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



87.1292, 0.3574, 0.3832



95.9616, 0.3250, 0.3445



60.6377, 0.3579, 0.3124



20.3820, 0.3275, 0.3475



0.0000, 0.0000, 0.0000



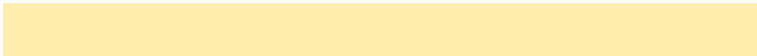
21.4041, 0.3127, 0.3290

Same Dimension

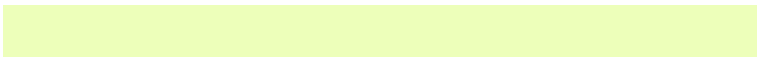
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1292, 0.3574, 0.3832



85.0254, 0.3663, 0.3933



92.9940, 0.3414, 0.3998



20.3820, 0.3275, 0.3475



32.8346, 0.4638, 0.4699



3.3551, 0.4577, 0.4748

Inverse Universe

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



59.4139, 0.2671, 0.2682



53.4623, 0.2578, 0.2551



55.2222, 0.2782, 0.2534



18.0170, 0.2979, 0.3098



5.3949, 0.1562, 0.0823



0.6771, 0.1617, 0.1020

Previews

White Background



This preview shows how the Yxy color 87.1253, 0.3574, 0.3832 looks on a white background.

Color Contrast Check

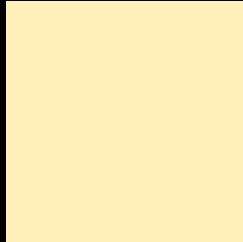
Large Text (above 18pt) WCAG AA × Fail

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 87.1253, 0.3574, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

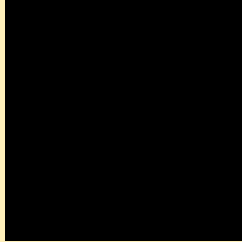
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.1253, 0.3574, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 87.1253, 0.3574, 0.3832.

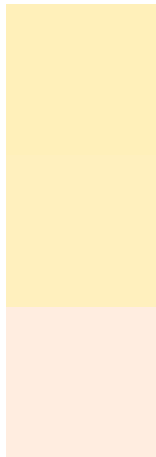


This preview shows how white text looks on a background with the Yxy color 87.1253, 0.3574, 0.3832.

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

87.1253, 0.3574, 0.3832

Protanopia

87.2979, 0.3548, 0.3791

Deuteranopia

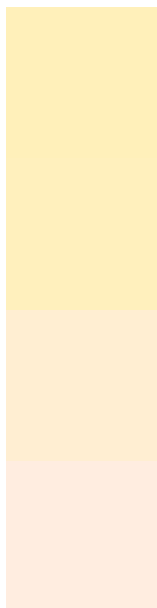
87.2102, 0.3332, 0.3419



Tritanopia

87.3305, 0.3192, 0.3183

Trichromacy



Original Color

87.1253, 0.3574, 0.3832

Protanomaly

87.2543, 0.3555, 0.3802

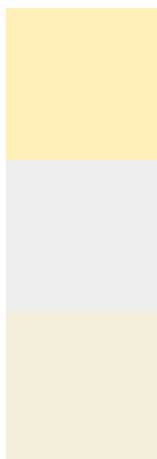
Deuteranomaly

87.0622, 0.3422, 0.3570

Tritanomaly

87.2102, 0.3332, 0.3419

Monochromacy



Original Color

87.1253, 0.3574, 0.3832

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.0806, 0.3286, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1253, 0.3574, 0.3832 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 186) }
```

Border

The CSS property to change the border of an element to Yxy 87.1253, 0.3574, 0.3832 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, 186) }
```

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

```
.border{ border-color:rgb(255, 240, 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, 240, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1253, 0.3574, 0.3832 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, 186) }
```

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

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