

Converting Colors

$Yxy(87.0830, 0.3580, 0.3842)$

Have a look what the booklet for
Yxy(87.0830, 0.3580, 0.3842)
contains.

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Color

Yxy(87.0830, 0.3580, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0B9
RGB	255, 240, 185
RGB Percent	100%, 94%, 73%
CMY	0.0002, 0.0587, 0.2745
CMYK	0.00, 0.06, 0.27, 0.00
HSL	47°, 100%, 86%
HSV	47°, 27%, 100%
XYZ	81.1445, 87.0830, 58.4331
YIQ	238.2150, 26.5950, -13.9250

Conversions

Conversions Part 2

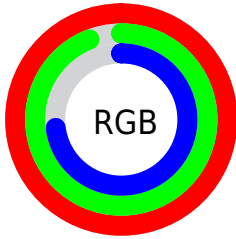
Format	Color
R_{YB}	204, 255, 185
Decimal	16773305
CIE Lab	94.77, -3.15, 28.46
CIE LCh	95, 28.634, 96.308
Yxy	87.0830, 0.3580, 0.3842
Android (android.graphics.Color)	4294963385 (0xFFFFF0B9)
YUV	238.2150, -26.2350, 14.7204
Hunter-Lab	93.3183, -8.0931, 28.1972

Details

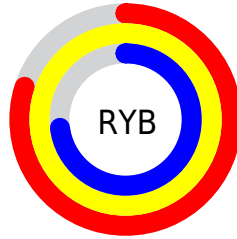
The Yxy color **87.0830, 0.3580, 0.3842** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8118, 0.2664, 0.2669**, and the grayscale version is **85.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **47.9527, 0.3677, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **82.9479, 0.3761, 0.4045**, and if you desaturate by 10%, it is **91.5152, 0.3406, 0.3636**.

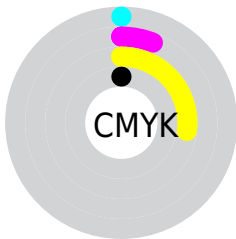
Distribution



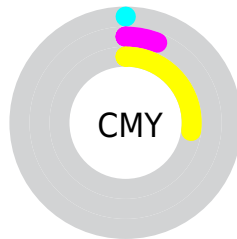
- Red (100%)
- Green (94%)
- Blue (73%)



- 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 87.0830, 0.3580, 0.3842 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 87.0830, 0.3580, 0.3842 by changing the saturation by 10% instead.


 87.0830, 0.3580,
0.3842

 87.0830, 0.3580,
0.3842


518.4956, 0.3380,
0.3595

 65.5639, 0.3623,
0.3896


 143.2798, 0.3512,
0.3758

 47.9185, 0.3676,
0.3962


178.7263, 0.3486,
0.3725

 33.7623, 0.3740,
0.4043


219.5841, 0.3462,
0.3696

 22.7111, 0.3820,
0.4146

266.2375, 0.3442,
0.3671

 14.3803, 0.3922,
0.4278

319.0710, 0.3423,
0.3648

 8.3856, 0.4054,
0.4455

378.4689, 0.3407,

 4.3427, 0.4227,

0.3628

0.4695

444.8156, 0.3393,
0.3611

■ 1.8670, 0.4693,
0.5307

■ 0.5285, 0.4460,
0.5540

■ 87.0830, 0.3580,
0.3842

■ 87.0830, 0.3580,
0.3842

■ 82.9479, 0.3761,
0.4045

■ 91.5152, 0.3406,
0.3636

■ 79.0869, 0.3943,
0.4238

■ 96.2430, 0.3241,
0.3435

■ 75.4919, 0.4120,
0.4409

99.9911, 0.3127,
0.3290

■ 72.1493, 0.4282,
0.4549

■ 69.0443, 0.4424,
0.4647

■ 66.1590, 0.4537,
0.4698

■ 63.4708, 0.4620,
0.4702

■ 62.8047, 0.4639,
0.4699

Harmonies

Analogous

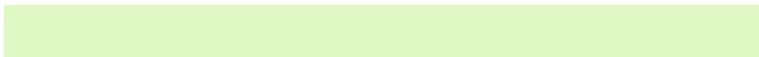
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0830, 0.3753, 0.3676



87.0830, 0.3580, 0.3842



87.0830, 0.3289, 0.3857

Triad

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



87.0830, 0.3580, 0.3842



87.0830, 0.2541, 0.3101



87.0830, 0.3269, 0.2930

Complementary

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



87.0830, 0.3580, 0.3842



58.8118, 0.2664, 0.2669

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.



87.0830, 0.2941, 0.2787



87.0830, 0.3580, 0.3842



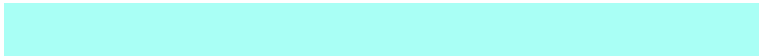
87.0830, 0.2535, 0.2869

Square

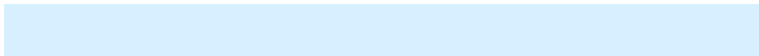
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0830, 0.3580, 0.3842



87.0830, 0.2694, 0.3408



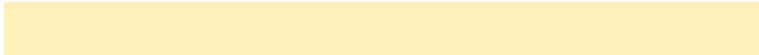
87.0830, 0.2677, 0.2762



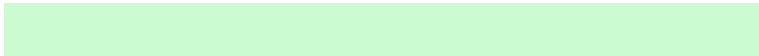
87.0830, 0.3571, 0.3158

Rectangle

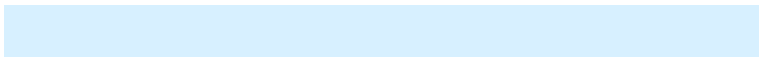
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0830, 0.3580, 0.3842



87.0830, 0.3071, 0.3767



87.0830, 0.2677, 0.2762



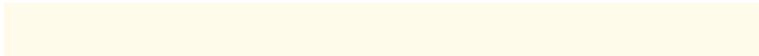
87.0830, 0.3157, 0.2871

Sweetspot

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



87.0869, 0.3580, 0.3842



96.0080, 0.3250, 0.3446



60.1293, 0.3597, 0.3134



20.3937, 0.3274, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

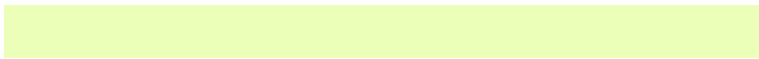
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0869, 0.3580, 0.3842



84.7840, 0.3680, 0.3956



92.6782, 0.3410, 0.4010



20.3937, 0.3274, 0.3476



33.0570, 0.4630, 0.4706



3.3749, 0.4570, 0.4753

Inverse Universe

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



58.8118, 0.2664, 0.2669



52.1761, 0.2559, 0.2520



54.8717, 0.2784, 0.2524



18.0061, 0.2979, 0.3097



5.3465, 0.1560, 0.0816



0.6710, 0.1615, 0.1012

Previews

White Background



This preview shows how the Yxy color 87.0830, 0.3580, 0.3842 looks on a white background.

Color Contrast Check

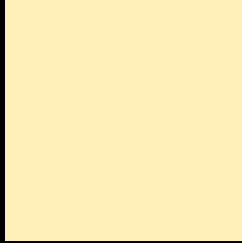
Large Text (above 18pt) WCAG AA × Fail

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 87.0830, 0.3580, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

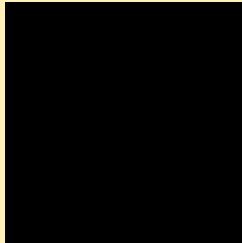
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0830, 0.3580, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 87.0830, 0.3580, 0.3842.



This preview shows how white text looks on a background with the Yxy color 87.0830, 0.3580, 0.3842.

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

87.0830, 0.3580, 0.3842

Protanopia

87.2979, 0.3548, 0.3791

Deuteranopia

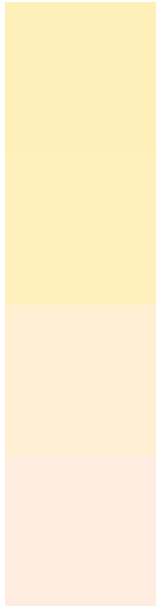
87.2102, 0.3332, 0.3419



Tritanopia

86.7595, 0.3193, 0.3173

Trichromacy



Original Color

87.0830, 0.3580, 0.3842

Protanomaly

87.2110, 0.3561, 0.3812

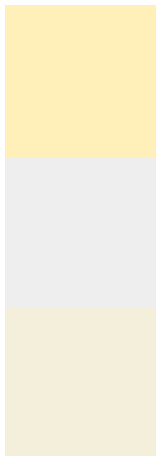
Deuteranomaly

87.0622, 0.3422, 0.3570

Tritanomaly

86.6327, 0.3333, 0.3409

Monochromacy



Original Color

87.0830, 0.3580, 0.3842

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 87.0830, 0.3580, 0.3842 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 185) }
```

Border

The CSS property to change the border of an element to Yxy 87.0830, 0.3580, 0.3842 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, 185) }
```

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

```
.border{ border-color:rgb(255, 240, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0830, 0.3580, 0.3842 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, 185) }
```

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

```
.background{ background-color: rgb(255,  
240, 185) }
```

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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