

Converting Colors

$Y_{xy}(100.0000, 0.3839, 0.3588)$

Have a look what the booklet for
Yxy(100.0000, 0.3839, 0.3588)
contains.

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Color

Yxy(87.9880, 0.3451, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0CD
RGB	255, 240, 205
RGB Percent	100%, 94%, 80%
CMY	0.0000, 0.0588, 0.1962
CMYK	0.00, 0.06, 0.20, 0.00
HSL	42°, 100%, 90%
HSV	42°, 20%, 100%
XYZ	83.4194, 87.9880, 70.3179
YIQ	240.4950, 20.1750, -7.7050

Conversions

Conversions Part 2

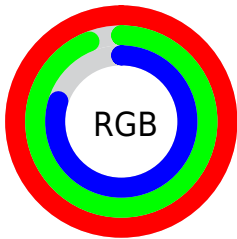
Format	Color
R _Y B	226, 255, 205
Decimal	16773325
CIE Lab	95.16, -0.40, 18.77
CIE LCh	95, 18.778, 91.228
Yxy	87.9880, 0.3451, 0.3640
Android (android.graphics.Color)	4294963405 (0xFFFFF0CD)
YUV	240.4950, -17.4990, 12.7209
Hunter-Lab	93.8019, -5.4107, 21.2151

Details

The Yxy color **87.9880, 0.3451, 0.3640** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.3562, 0.2809, 0.2914**, and the grayscale version is **87.6717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.5211, 0.3519, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **82.4517, 0.3637, 0.3826**, and if you desaturate by 10%, it is **93.9167, 0.3279, 0.3458**.

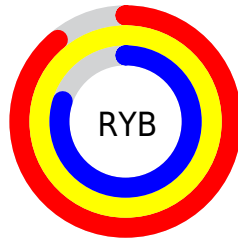
Distribution



Red (100%)

Green (94%)

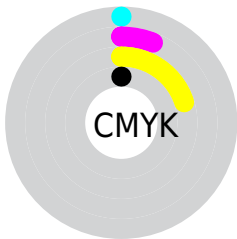
Blue (80%)



Red (89%)

Yellow (100%)

Blue (80%)

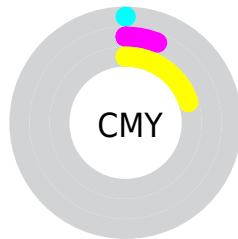


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9880, 0.3451, 0.3640 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 87.9880, 0.3451, 0.3640 by changing the saturation by 10% instead.

 87.9880, 0.3451,
0.3640

 87.9880, 0.3451,
0.3640

521.4639, 0.3306,
0.3484

 66.3131, 0.3483,
0.3674

144.5405, 0.3402,
0.3587

 48.5266, 0.3521,
0.3716


180.1868, 0.3383,
0.3566

 34.2441, 0.3569,
0.3768


221.2591, 0.3366,
0.3548

 23.0812, 0.3630,
0.3834

268.1418, 0.3351,
0.3532

 14.6535, 0.3709,
0.3920

321.2192, 0.3338,
0.3518

 8.5766, 0.3817,
0.4038

380.8758, 0.3326,

 4.4660, 0.3971,

0.3505

0.4207

447.4959, 0.3316,
0.3494

■ 1.9375, 0.4267,
0.4530

■ 0.5708, 0.4827,
0.5173

■ 87.9880, 0.3451,
0.3640

■ 87.9880, 0.3451,
0.3640

■ 82.4517, 0.3637,
0.3826

■ 93.9167, 0.3279,
0.3458

■ 77.2924, 0.3834,
0.4009

100.0000, 0.3127,
0.3290

■ 72.4984, 0.4037,
0.4181

■ 68.0558, 0.4239,
0.4332

■ 63.9492, 0.4430,
0.4450

■ 60.1614, 0.4601,
0.4524

■ 56.6725, 0.4743,
0.4548

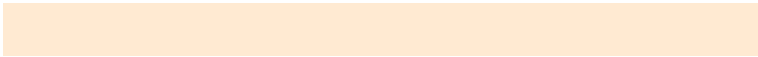
■ 53.4524, 0.4855,
0.4525

■ 53.3352, 0.4859,
0.4524

Harmonies

Analogous

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



87.9880, 0.3543, 0.3525



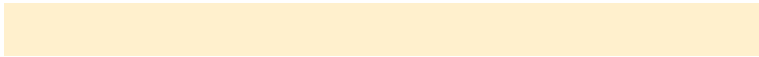
87.9880, 0.3451, 0.3640



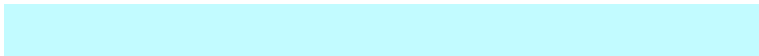
87.9880, 0.3272, 0.3661

Triad

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



87.9880, 0.3451, 0.3640



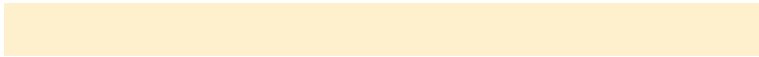
87.9880, 0.2749, 0.3204



87.9880, 0.3185, 0.3028

Complementary

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



87.9880, 0.3451, 0.3640



71.3562, 0.2809, 0.2914

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.



87.9880, 0.2973, 0.2945



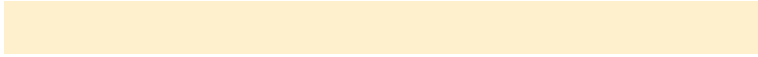
87.9880, 0.3451, 0.3640



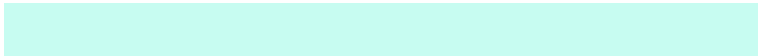
87.9880, 0.2727, 0.3038

Square

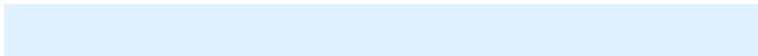
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9880, 0.3451, 0.3640



87.9880, 0.2869, 0.3403



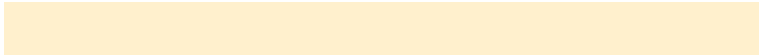
87.9880, 0.2807, 0.2946



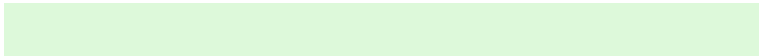
87.9880, 0.3388, 0.3176

Rectangle

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



87.9880, 0.3451, 0.3640



87.9880, 0.3130, 0.3615



87.9880, 0.2807, 0.2946



87.9880, 0.3113, 0.2992

Sweetspot

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



87.9891, 0.3451, 0.3640



96.1630, 0.3220, 0.3394



70.0694, 0.3403, 0.3139



20.4953, 0.3230, 0.3405



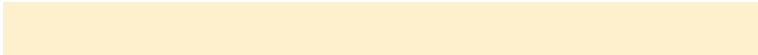
0.0000, 0.0000, 0.0000



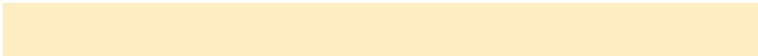
21.4041, 0.3127, 0.3290

Same Dimension

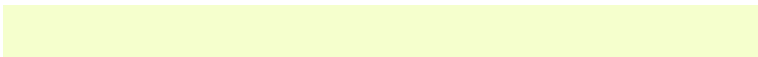
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9891, 0.3451, 0.3640



85.5183, 0.3531, 0.3721



95.3369, 0.3358, 0.3791



20.1176, 0.3277, 0.3456



28.1426, 0.4845, 0.4535



2.9316, 0.4752, 0.4609

Inverse Universe

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



71.3562, 0.2809, 0.2914



65.8194, 0.2732, 0.2818



65.3058, 0.2867, 0.2758



18.2650, 0.2979, 0.3119



6.7295, 0.1609, 0.0993



0.8366, 0.1670, 0.1212

Previews

White Background



This preview shows how the Yxy color 87.9880, 0.3451, 0.3640 looks on a white background.

Color Contrast Check

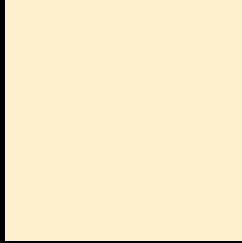
Large Text (above 18pt) WCAG AA × Fail

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 87.9880, 0.3451, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

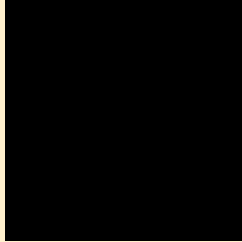
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.9880, 0.3451, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 87.9880, 0.3451, 0.3640.



This preview shows how white text looks on a background with the Yxy color 87.9880, 0.3451, 0.3640.

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

87.9880, 0.3451, 0.3640

Protanopia

87.7988, 0.3444, 0.3640

Deuteranopia

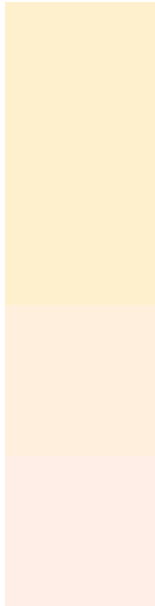
88.0662, 0.3298, 0.3379



Tritanopia

88.0282, 0.3179, 0.3174

Trichromacy



Original Color

87.9880, 0.3451, 0.3640

Protanomaly

87.7988, 0.3444, 0.3640

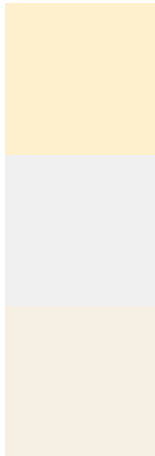
Deuteranomaly

88.1603, 0.3355, 0.3479

Tritanomaly

87.6546, 0.3280, 0.3340

Monochromacy



Original Color

87.9880, 0.3451, 0.3640

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2787, 0.3241, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9880, 0.3451, 0.3640 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 205) }
```

Border

The CSS property to change the border of an element to Yxy 87.9880, 0.3451, 0.3640 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, 205) }
```

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

```
.border{ border-color:rgb(255, 240, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9880, 0.3451, 0.3640 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, 205) }
```

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

```
.background{ background-color: rgb(255,  
240, 205) }
```

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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