

Converting Colors

$Y_{xy}(100.0000, 0.3889, 0.3652)$

Have a look what the booklet for
Yxy(100.0000, 0.3889, 0.3652)
contains.

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Color

Yxy(87.6574, 0.3496, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0C6
RGB	255, 240, 198
RGB Percent	100%, 94%, 78%
CMY	0.0000, 0.0588, 0.2234
CMYK	0.00, 0.06, 0.22, 0.00
HSL	44°, 100%, 89%
HSV	44°, 22%, 100%
XYZ	82.6012, 87.6574, 66.0148
YIQ	239.6970, 22.4220, -9.8820

Conversions

Conversions Part 2

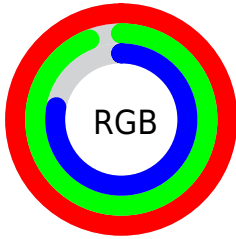
Format	Color
RYB	218, 255, 198
Decimal	16773318
CIELab	95.02, -1.37, 22.13
CIElCh	95, 22.176, 93.547
Yxy	87.6574, 0.3496, 0.3710
Android (android.graphics.Color)	4294963398 (0xFFFFF0C6)
YUV	239.6970, -20.5566, 13.4207
Hunter-Lab	93.6255, -6.3630, 23.7329

Details

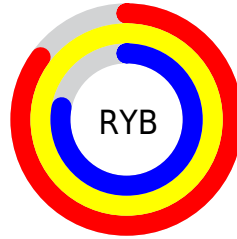
The Yxy color **87.6574, 0.3496, 0.3710** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.8405, 0.2760, 0.2831**, and the grayscale version is **87.0406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3004, 0.3578, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **82.6970, 0.3681, 0.3904**, and if you desaturate by 10%, it is **92.9637, 0.3322, 0.3518**.

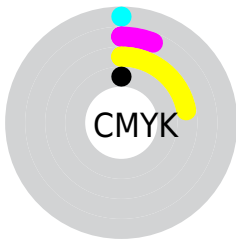
Distribution



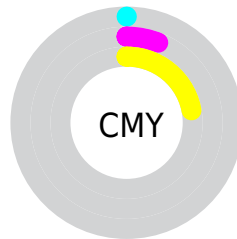
- Red (100%)
- Green (94%)
- Blue (78%)



- Red (85%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)
- Black (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6574, 0.3496, 0.3710 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 87.6574, 0.3496, 0.3710 by changing the saturation by 10% instead.

 87.6574, 0.3496,
0.3710

 87.6574, 0.3496,
0.3710


520.3806, 0.3332,
0.3522

 66.0394, 0.3532,
0.3751


144.0801, 0.3440,
0.3646

 48.3044, 0.3575,
0.3801


179.6535, 0.3418,
0.3621

 34.0680, 0.3629,
0.3864

220.6476, 0.3399,
0.3599

 22.9458, 0.3697,
0.3943

267.4466, 0.3382,
0.3580

 14.5535, 0.3786,
0.4046

320.4351, 0.3368,
0.3563

 8.5066, 0.3904,
0.4186

379.9973, 0.3354,

 4.4208, 0.4070,

0.3548

0.4383

446.5177, 0.3342,
0.3534

■ 1.9116, 0.4476,
0.4857

■ 0.5554, 0.4709,
0.5291

■ 87.6574, 0.3496,
0.3710

■ 87.6574, 0.3496,
0.3710

■ 82.6970, 0.3681,
0.3904

■ 92.9637, 0.3322,
0.3518

■ 78.0689, 0.3873,
0.4093

■ 98.6245, 0.3162,
0.3332

■ 73.7614, 0.4066,
0.4268

100.0000, 0.3127,
0.3290

■ 69.7611, 0.4254,
0.4417

■ 66.0531, 0.4426,
0.4530

■ 62.6203, 0.4574,
0.4597

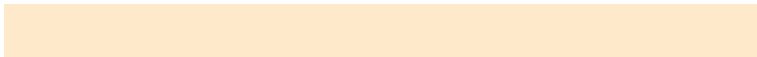
■ 59.4425, 0.4692,
0.4615

■ 57.1579, 0.4763,
0.4600

Harmonies

Analogous

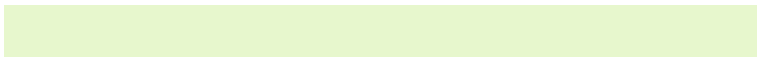
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6574, 0.3616, 0.3578



87.6574, 0.3496, 0.3710



87.6574, 0.3278, 0.3728

Triad

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



87.6574, 0.3496, 0.3710



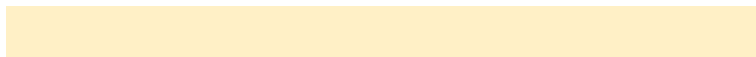
87.6574, 0.2676, 0.3168



87.6574, 0.3215, 0.2994

Complementary

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



87.6574, 0.3496, 0.3710



66.8405, 0.2760, 0.2831

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.



87.6574, 0.2963, 0.2889



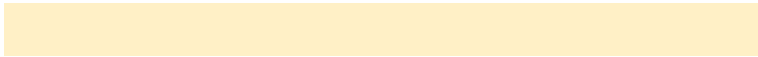
87.6574, 0.3496, 0.3710



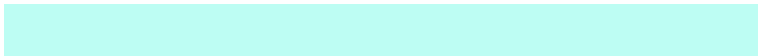
87.6574, 0.2660, 0.2979

Square

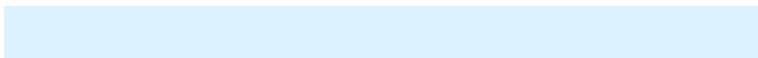
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6574, 0.3496, 0.3710



87.6574, 0.2808, 0.3405



87.6574, 0.2762, 0.2881



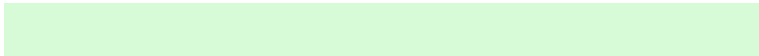
87.6574, 0.3451, 0.3170

Rectangle

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



87.6574, 0.3496, 0.3710



87.6574, 0.3110, 0.3667



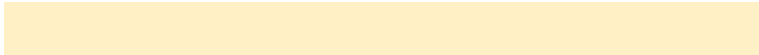
87.6574, 0.2762, 0.2881



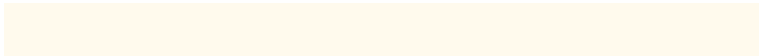
87.6574, 0.3129, 0.2950

Sweetspot

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



87.6581, 0.3496, 0.3710



95.9402, 0.3235, 0.3417



66.4819, 0.3466, 0.3136



20.4620, 0.3245, 0.3429



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

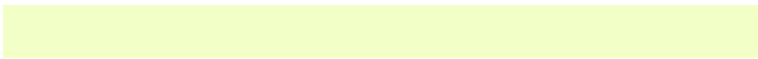
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6581, 0.3496, 0.3710



85.3027, 0.3581, 0.3801



94.4249, 0.3377, 0.3866



20.2335, 0.3276, 0.3464



30.1231, 0.4752, 0.4609



3.1114, 0.4674, 0.4671

Inverse Universe

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



66.8405, 0.2760, 0.2831



60.9984, 0.2676, 0.2721



61.5239, 0.2838, 0.2677



18.1556, 0.2979, 0.3110



6.0856, 0.1587, 0.0912



0.7617, 0.1646, 0.1124

Previews

White Background



This preview shows how the Yxy color 87.6574, 0.3496, 0.3710 looks on a white background.

Color Contrast Check

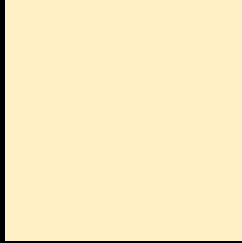
Large Text (above 18pt) WCAG AA × Fail

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 87.6574, 0.3496, 0.3710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

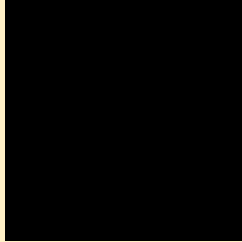
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6574, 0.3496, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 87.6574, 0.3496, 0.3710.



This preview shows how white text looks on a background with the Yxy color 87.6574, 0.3496, 0.3710.

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

87.6574, 0.3496, 0.3710

Protanopia

87.6574, 0.3496, 0.3710

Deuteranopia

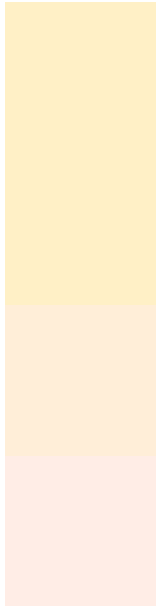
87.3744, 0.3312, 0.3389



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.6574, 0.3496, 0.3710

Protanomaly

87.6574, 0.3496, 0.3710

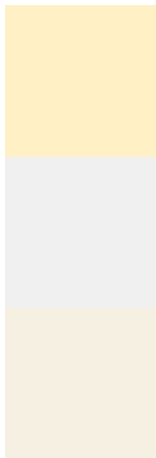
Deuteranomaly

87.3669, 0.3382, 0.3509

Tritanomaly

87.5415, 0.3293, 0.3359

Monochromacy



Original Color

87.6574, 0.3496, 0.3710

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1689, 0.3253, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6574, 0.3496, 0.3710 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 198) }
```

Border

The CSS property to change the border of an element to Yxy 87.6574, 0.3496, 0.3710 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, 198) }
```

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

```
.border{ border-color:rgb(255, 240, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6574, 0.3496, 0.3710 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
240, 198) }
```

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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