

Converting Colors

$Y_{xy}(90.1072, 0.3541, 0.3592)$

Have a look what the booklet for
Yxy(90.1072, 0.3541, 0.3592)
contains.

Yxy(87.4980, 0.3439, 0.3610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.4980, 0.3439, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFCE
RGB	255, 239, 207
RGB Percent	100%, 94%, 81%
CMY	0.0002, 0.0626, 0.1882
CMYK	0.00, 0.06, 0.19, 0.00
HSL	40°, 100%, 91%
HSV	40°, 19%, 100%
XYZ	83.3534, 87.4980, 71.5254
YIQ	240.1360, 19.8080, -6.5600

Conversions

Conversions Part 2

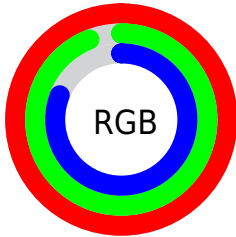
Format	Color
R _Y B	231, 255, 207
Decimal	16773071
CIE Lab	94.95, 0.36, 17.43
CIE LCh	95, 17.437, 88.810
Yxy	87.4980, 0.3439, 0.3610
Android (android.graphics.Color)	4294963151 (0xFFFFEFCF)
YUV	240.1360, -16.3360, 13.0357
Hunter-Lab	93.5404, -4.6352, 20.1423

Details

The Yxy color **87.4980, 0.3439, 0.3610** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.2137, 0.2824, 0.2948**, and the grayscale version is **87.3656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1726, 0.3505, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **81.5120, 0.3628, 0.3788**, and if you desaturate by 10%, it is **93.9253, 0.3266, 0.3436**.

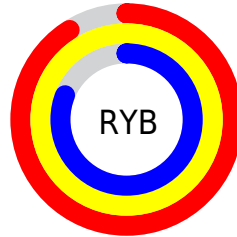
Distribution



Red (100%)

Green (94%)

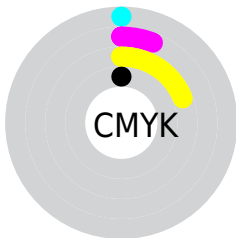
Blue (81%)



Red (91%)

Yellow (100%)

Blue (81%)

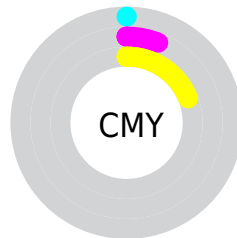


Cyan (0%)

Magenta (6%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4980, 0.3439, 0.3610 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 87.4980, 0.3439, 0.3610 by changing the saturation by 10% instead.


 87.4980, 0.3439,
0.3610

 87.4980, 0.3439,
0.3610


519.8579, 0.3299,
0.3467

 65.9074, 0.3470,
0.3641

143.8581, 0.3392,
0.3561

 48.1972, 0.3507,
0.3680


179.3963, 0.3373,
0.3542

 33.9831, 0.3553,
0.3727


220.3526, 0.3357,
0.3526

 22.8806, 0.3613,
0.3787

267.1113, 0.3342,
0.3511

 14.5054, 0.3690,
0.3867

320.0567, 0.3330,
0.3498

 8.4730, 0.3797,
0.3975

379.5734, 0.3319,

 4.3991, 0.3950,

0.3487

0.4130

446.0457, 0.3309,
0.3476

■ 1.8992, 0.4230,
0.4414

■ 0.5479, 0.4915,
0.5085

■ 87.4980, 0.3439,
0.3610

■ 87.4980, 0.3439,
0.3610

■ 81.5120, 0.3628,
0.3788

■ 93.9253, 0.3266,
0.3436

■ 75.9429, 0.3830,
0.3964

99.9895, 0.3127,
0.3290

■ 70.7808, 0.4041,
0.4131

■ 66.0111, 0.4254,
0.4278

■ 61.6176, 0.4459,
0.4393

■ 57.5826, 0.4647,
0.4465

■ 53.8851, 0.4806,
0.4487

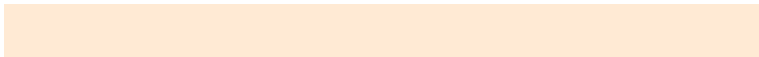
■ 50.4968, 0.4932,
0.4459

■ 50.1089, 0.4947,
0.4454

Harmonies

Analogous

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



87.4980, 0.3517, 0.3498



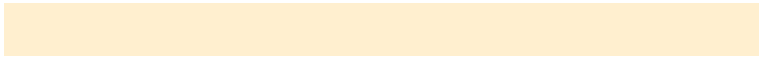
87.4980, 0.3439, 0.3610



87.4980, 0.3278, 0.3637

Triad

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



87.4980, 0.3439, 0.3610



87.4980, 0.2781, 0.3225



87.4980, 0.3165, 0.3037

Complementary

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



87.4980, 0.3439, 0.3610



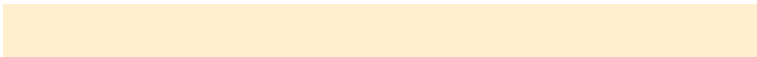
73.2137, 0.2824, 0.2948

Split Complementary

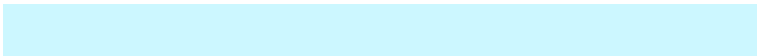
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4980, 0.2969, 0.2965



87.4980, 0.3439, 0.3610



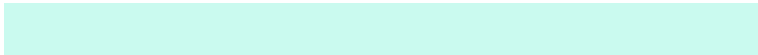
87.4980, 0.2752, 0.3066

Square

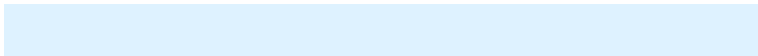
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4980, 0.3439, 0.3610



87.4980, 0.2899, 0.3410



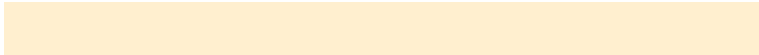
87.4980, 0.2820, 0.2974



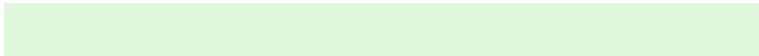
87.4980, 0.3356, 0.3171

Rectangle

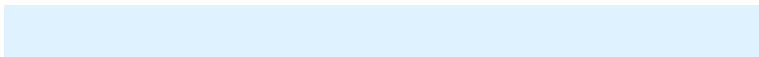
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4980, 0.3439, 0.3610



87.4980, 0.3147, 0.3599



87.4980, 0.2820, 0.2974



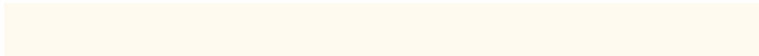
87.4980, 0.3098, 0.3005

Sweetspot

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



87.5019, 0.3439, 0.3610



95.8548, 0.3220, 0.3389



71.2014, 0.3377, 0.3129



20.4224, 0.3231, 0.3400



0.0000, 0.0000, 0.0000



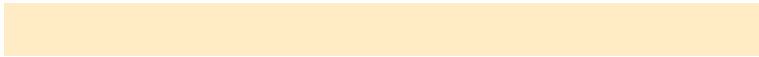
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5019, 0.3439, 0.3610



84.9797, 0.3516, 0.3684



95.7552, 0.3359, 0.3768



20.0147, 0.3277, 0.3448



26.4814, 0.4931, 0.4467



2.7792, 0.4825, 0.4551

Inverse Universe

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



73.2137, 0.2824, 0.2948



68.0244, 0.2752, 0.2861



66.2873, 0.2868, 0.2780



18.3630, 0.2979, 0.3127



7.3835, 0.1631, 0.1072



0.9098, 0.1693, 0.1295

Previews

White Background



This preview shows how the Yxy color 87.4980, 0.3439, 0.3610 looks on a white background.

Color Contrast Check

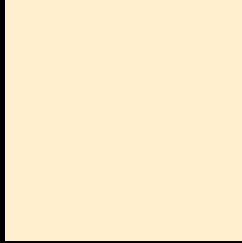
Large Text (above 18pt) WCAG AA × Fail

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 87.4980, 0.3439, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

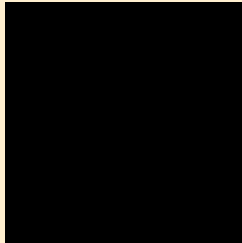
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4980, 0.3439, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 87.4980, 0.3439, 0.3610.



This preview shows how white text looks on a background with the Yxy color 87.4980, 0.3439, 0.3610.

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

87.4980, 0.3439, 0.3610

Protanopia

87.5206, 0.3417, 0.3622

Deuteranopia

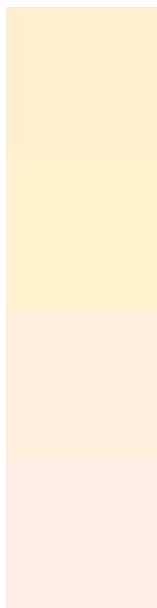
87.4298, 0.3306, 0.3379



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.4980, 0.3439, 0.3610

Protanomaly

87.7078, 0.3424, 0.3621

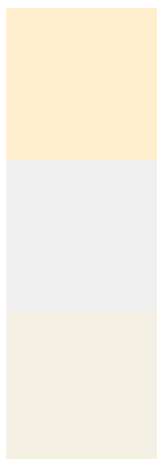
Deuteranomaly

87.5764, 0.3356, 0.3469

Tritanomaly

87.1341, 0.3275, 0.3320

Monochromacy



Original Color

87.4980, 0.3439, 0.3610

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.3341, 0.3235, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4980, 0.3439, 0.3610 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, 239, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 207)  
}
```

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, 239, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 207) }
```

Border

The CSS property to change the border of an element to Yxy 87.4980, 0.3439, 0.3610 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, 239, 207) }
```

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

```
.border{ border-color:rgb(255, 239, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4980, 0.3439, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 207) }
```

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

```
.background{ background-color: rgb(255,  
239, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor