

Converting Colors

$Yxy(86.6448, 0.3526, 0.3740)$

Have a look what the booklet for
Yxy(86.6448, 0.3526, 0.3740)
contains.

Yxy(86.8880, 0.3524, 0.3741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.8880, 0.3524, 0.3741)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFC2
RGB	255, 239, 194
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0627, 0.2390
CMYK	0.00, 0.06, 0.24, 0.00
HSL	44°, 100%, 88%
HSV	44°, 24%, 100%
XYZ	81.8480, 86.8880, 63.5228
YIQ	238.6540, 23.9810, -10.6030

Conversions

Conversions Part 2

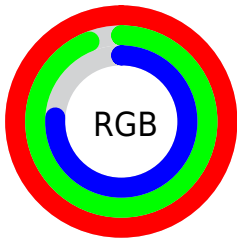
Format	Color
R _Y B	216, 255, 194
Decimal	16773058
CIE Lab	94.69, -1.42, 23.73
CIE LCh	95, 23.772, 93.431
Yxy	86.8880, 0.3524, 0.3741
Android (android.graphics.Color)	4294963138 (0xFFFFEFC2)
YUV	238.6540, -22.0144, 14.3354
Hunter-Lab	93.2137, -6.3889, 24.8450

Details

The Yxy color **86.8880, 0.3524, 0.3741** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.8105, 0.2732, 0.2794**, and the grayscale version is **86.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **47.7662, 0.3614, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **81.9958, 0.3710, 0.3935**, and if you desaturate by 10%, it is **92.1297, 0.3349, 0.3548**.

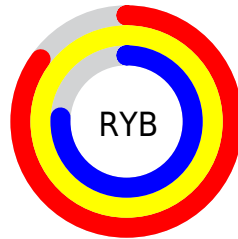
Distribution



Red (100%)

Green (94%)

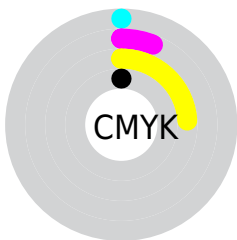
Blue (76%)



Red (85%)

Yellow (100%)

Blue (76%)

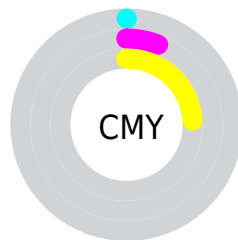


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8880, 0.3524, 0.3741 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 86.8880, 0.3524, 0.3741 by changing the saturation by 10% instead.

 86.8880, 0.3524,
0.3741

 86.8880, 0.3524,
0.3741


517.8548, 0.3347,
0.3539

 65.4025, 0.3563,
0.3785


 143.0080, 0.3464,
0.3672

 47.7875, 0.3609,
0.3839


178.4114, 0.3440,
0.3645

 33.6587, 0.3667,
0.3906


219.2228, 0.3420,
0.3622

 22.6315, 0.3740,
0.3991

265.8266, 0.3402,
0.3601

 14.3217, 0.3835,
0.4101

318.6074, 0.3386,
0.3583

 8.3447, 0.3961,
0.4250

377.9494, 0.3371,

 4.3163, 0.4135,

0.3567

0.4458

444.2371, 0.3359,
0.3552

■ 1.8520, 0.4646,
0.5049

■ 0.5193, 0.4691,
0.5309

■ 86.8880, 0.3524,
0.3741

■ 86.8880, 0.3524,
0.3741

■ 81.9958, 0.3710,
0.3935

■ 92.1297, 0.3349,
0.3548

■ 77.4299, 0.3903,
0.4123

■ 97.7201, 0.3187,
0.3361

■ 73.1816, 0.4095,
0.4294

100.0000, 0.3127,
0.3290

■ 69.2373, 0.4281,
0.4438

■ 65.5817, 0.4449,
0.4545

■ 62.1976, 0.4593,
0.4605

■ 59.0640, 0.4705,
0.4615

■ 57.2588, 0.4761,
0.4602

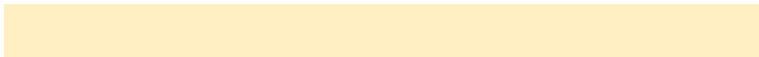
Harmonies

Analogous

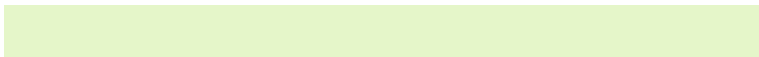
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8880, 0.3653, 0.3598



86.8880, 0.3524, 0.3741



86.8880, 0.3290, 0.3763

Triad

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



86.8880, 0.3524, 0.3741



86.8880, 0.2643, 0.3159



86.8880, 0.3220, 0.2972

Complementary

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



86.8880, 0.3524, 0.3741



64.8105, 0.2732, 0.2794

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.



86.8880, 0.2949, 0.2861



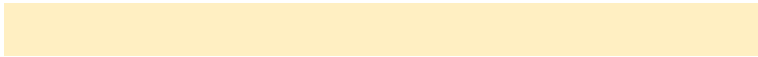
86.8880, 0.3524, 0.3741



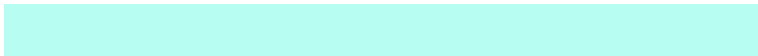
86.8880, 0.2626, 0.2956

Square

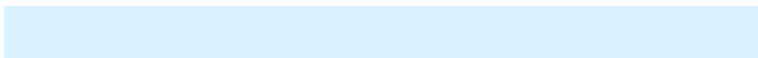
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8880, 0.3524, 0.3741



86.8880, 0.2785, 0.3414



86.8880, 0.2735, 0.2852



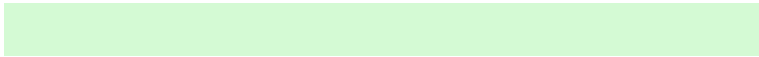
86.8880, 0.3475, 0.3160

Rectangle

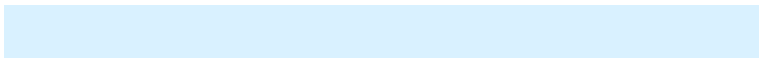
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8880, 0.3524, 0.3741



86.8880, 0.3109, 0.3697



86.8880, 0.2735, 0.2852



86.8880, 0.3127, 0.2925

Sweetspot

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



86.8919, 0.3524, 0.3741



95.9505, 0.3235, 0.3418



64.5328, 0.3496, 0.3124



20.4644, 0.3245, 0.3429



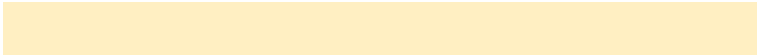
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

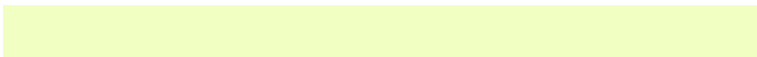
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8919, 0.3524, 0.3741



84.3545, 0.3618, 0.3840



94.0787, 0.3394, 0.3909



20.2365, 0.3276, 0.3464



30.1754, 0.4749, 0.4611



3.1162, 0.4672, 0.4673

Inverse Universe

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



64.8105, 0.2732, 0.2794



58.5708, 0.2639, 0.2671



59.2736, 0.2814, 0.2629



18.1528, 0.2979, 0.3109



6.0704, 0.1586, 0.0910



0.7599, 0.1645, 0.1122

Previews

White Background



This preview shows how the Yxy color 86.8880, 0.3524, 0.3741 looks on a white background.

Color Contrast Check

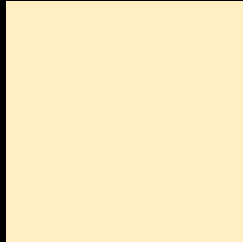
Large Text (above 18pt) WCAG AA × Fail

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 86.8880, 0.3524, 0.3741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

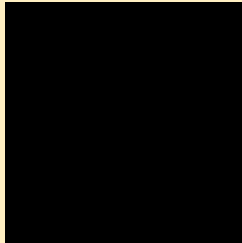
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8880, 0.3524, 0.3741

Background



This preview shows how black text looks on a background with the Yxy color 86.8880, 0.3524, 0.3741.



This preview shows how white text looks on a background with the Yxy color 86.8880, 0.3524, 0.3741.

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

86.8880, 0.3524, 0.3741

Protanopia

86.6989, 0.3517, 0.3743

Deuteranopia

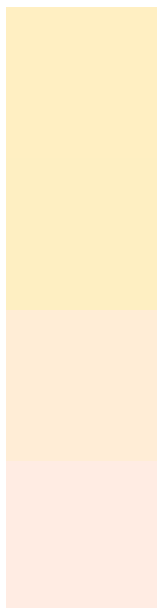
86.6871, 0.3326, 0.3399



Tritanopia

86.7595, 0.3193, 0.3173

Trichromacy



Original Color

86.8880, 0.3524, 0.3741

Protanomaly

86.6989, 0.3517, 0.3743

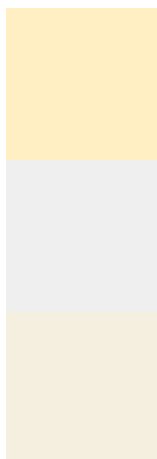
Deuteranomaly

86.6834, 0.3397, 0.3520

Tritanomaly

86.7970, 0.3313, 0.3379

Monochromacy



Original Color

86.8880, 0.3524, 0.3741

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4732, 0.3267, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8880, 0.3524, 0.3741 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 194) }
```

Border

The CSS property to change the border of an element to Yxy 86.8880, 0.3524, 0.3741 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, 194) }
```

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

```
.border{ border-color:rgb(255, 239, 194) }
```

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, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8880, 0.3524, 0.3741 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
239, 194) }
```

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