

Converting Colors

$Yxy(86.5764, 0.3530, 0.3745)$

Have a look what the booklet for
Yxy(86.5764, 0.3530, 0.3745)
contains.

Yxy(86.8433, 0.3531, 0.3752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.8433, 0.3531, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFC1
RGB	255, 239, 193
RGB Percent	100%, 94%, 76%
CMY	0.0000, 0.0627, 0.2433
CMYK	0.00, 0.06, 0.24, 0.00
HSL	45°, 100%, 88%
HSV	45°, 24%, 100%
XYZ	81.7281, 86.8433, 62.8873
YIQ	238.5400, 24.3020, -10.9140

Conversions

Conversions Part 2

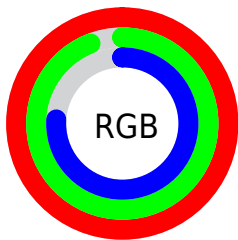
Format	Color
R _Y B	215, 255, 193
Decimal	16773057
CIE Lab	94.67, -1.57, 24.26
CIE LCh	95, 24.307, 93.711
Yxy	86.8433, 0.3531, 0.3752
Android (android.graphics.Color)	4294963137 (0xFFFFEFC1)
YUV	238.5400, -22.4512, 14.4354
Hunter-Lab	93.1898, -6.5363, 25.2221

Details

The Yxy color **86.8433, 0.3531, 0.3752** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.1317, 0.2724, 0.2781**, and the grayscale version is **86.1043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **47.7368, 0.3623, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **82.0271, 0.3717, 0.3947**, and if you desaturate by 10%, it is **92.0035, 0.3356, 0.3557**.

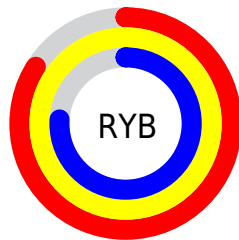
Distribution



Red (100%)

Green (94%)

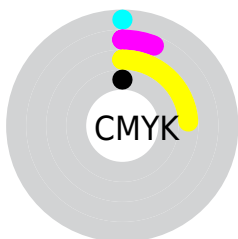
Blue (76%)



Red (84%)

Yellow (100%)

Blue (76%)

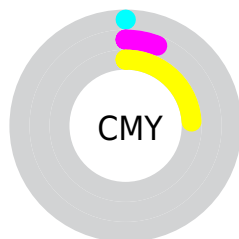


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8433, 0.3531, 0.3752 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 86.8433, 0.3531, 0.3752 by changing the saturation by 10% instead.


 86.8433, 0.3531,
0.3752

 86.8433, 0.3531,
0.3752


517.7078, 0.3351,
0.3545

 65.3655, 0.3570,
0.3797


 142.9457, 0.3470,
0.3682

 47.7575, 0.3618,
0.3853


178.3391, 0.3446,
0.3654

 33.6349, 0.3676,
0.3921


219.1399, 0.3425,
0.3630

 22.6133, 0.3750,
0.4008

265.7324, 0.3407,
0.3609

 14.3082, 0.3846,
0.4121

318.5011, 0.3390,
0.3590

 8.3353, 0.3974,
0.4273

377.8303, 0.3376,

 4.3103, 0.4149,

0.3573

0.4485

444.1044, 0.3363,
0.3558

■ 1.8486, 0.4687,
0.5112

■ 0.5172, 0.4670,
0.5330

■ 86.8433, 0.3531,
0.3752

■ 86.8433, 0.3531,
0.3752

■ 82.0271, 0.3717,
0.3947

■ 92.0035, 0.3356,
0.3557

■ 77.5316, 0.3908,
0.4135

■ 97.5066, 0.3193,
0.3369

■ 73.3482, 0.4100,
0.4307

99.9993, 0.3127,
0.3290

■ 69.4633, 0.4283,
0.4450

■ 65.8618, 0.4449,
0.4556

■ 62.5262, 0.4589,
0.4614

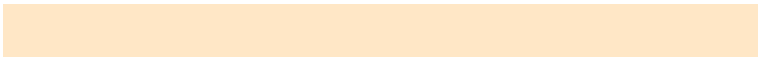
■ 59.4354, 0.4698,
0.4624

■ 57.7741, 0.4749,
0.4611

Harmonies

Analogous

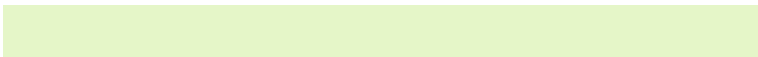
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8433, 0.3665, 0.3606



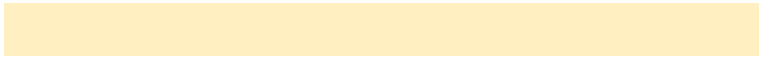
86.8433, 0.3531, 0.3752



86.8433, 0.3291, 0.3773

Triad

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



86.8433, 0.3531, 0.3752



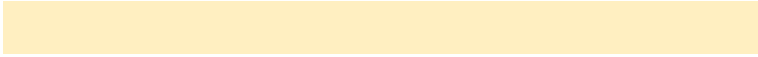
86.8433, 0.2632, 0.3153



86.8433, 0.3224, 0.2967

Complementary

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



86.8433, 0.3531, 0.3752



64.1317, 0.2724, 0.2781

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.



86.8433, 0.2947, 0.2852



86.8433, 0.3531, 0.3752



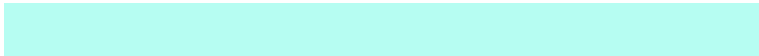
86.8433, 0.2615, 0.2947

Square

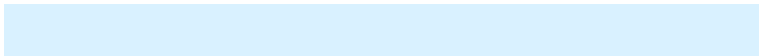
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8433, 0.3531, 0.3752



86.8433, 0.2775, 0.3414



86.8433, 0.2728, 0.2842



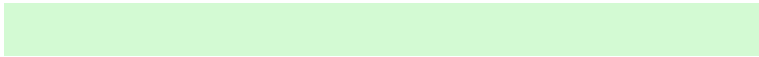
86.8433, 0.3485, 0.3159

Rectangle

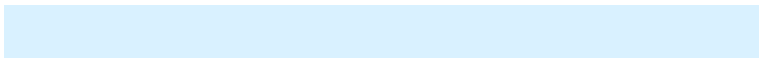
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8433, 0.3531, 0.3752



86.8433, 0.3106, 0.3705



86.8433, 0.2728, 0.2842



86.8433, 0.3130, 0.2918

Sweetspot

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



86.8472, 0.3531, 0.3752



96.0030, 0.3235, 0.3418



64.0140, 0.3504, 0.3121



20.4766, 0.3245, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

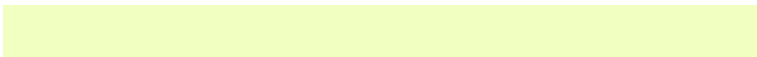
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8472, 0.3531, 0.3752



84.5554, 0.3617, 0.3844



93.9835, 0.3399, 0.3920



20.2516, 0.3276, 0.3465



30.4430, 0.4738, 0.4620



3.1403, 0.4662, 0.4681

Inverse Universe

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



64.1317, 0.2724, 0.2781



58.4087, 0.2639, 0.2667



58.6748, 0.2808, 0.2616



18.1386, 0.2979, 0.3108



5.9935, 0.1584, 0.0900



0.7508, 0.1642, 0.1111

Previews

White Background



This preview shows how the Yxy color 86.8433, 0.3531, 0.3752 looks on a white background.

Color Contrast Check

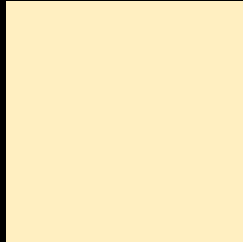
Large Text (above 18pt) WCAG AA × Fail

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 86.8433, 0.3531, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

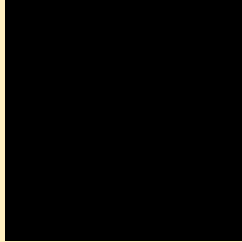
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8433, 0.3531, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 86.8433, 0.3531, 0.3752.



This preview shows how white text looks on a background with the Yxy color 86.8433, 0.3531, 0.3752.

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

86.8433, 0.3531, 0.3752

Protanopia

86.6541, 0.3524, 0.3753

Deuteranopia

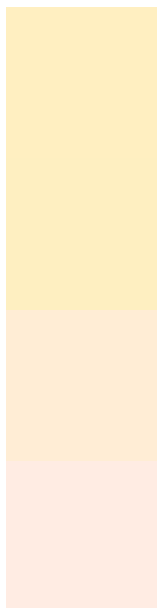
86.6327, 0.3333, 0.3409



Tritanopia

86.7595, 0.3193, 0.3173

Trichromacy



Original Color

86.8433, 0.3531, 0.3752

Protanomaly

86.6541, 0.3524, 0.3753

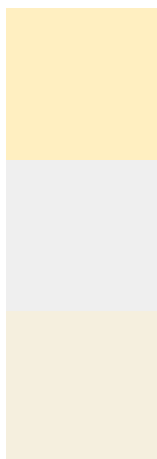
Deuteranomaly

86.6325, 0.3404, 0.3530

Tritanomaly

86.7970, 0.3313, 0.3379

Monochromacy



Original Color

86.8433, 0.3531, 0.3752

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4194, 0.3273, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8433, 0.3531, 0.3752 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 193) }
```

Border

The CSS property to change the border of an element to Yxy 86.8433, 0.3531, 0.3752 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, 193) }
```

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

```
.border{ border-color:rgb(255, 239, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8433, 0.3531, 0.3752 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, 193) }
```

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

```
.background{ background-color: rgb(255,  
239, 193) }
```

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