

Converting Colors

$Yxy(87.8993, 0.3387, 0.3529)$

Have a look what the booklet for
Yxy(87.8993, 0.3387, 0.3529)
contains.

Yxy(87.8993, 0.3387, 0.3529)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8993, 0.3387, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	FFEFD7
RGB	255, 239, 215
RGB Percent	100%, 94%, 84%
CMY	0.0002, 0.0627, 0.1568
CMYK	0.00, 0.06, 0.16, 0.00
HSL	36°, 100%, 92%
HSV	36°, 16%, 100%
XYZ	84.3624, 87.8993, 76.8154
YIQ	241.0480, 17.2400, -4.0720

Conversions

Conversions Part 2

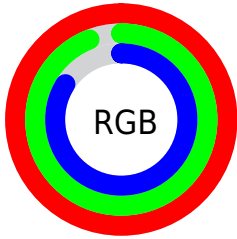
Format	Color
R _Y B	242, 255, 215
Decimal	16773079
CIE Lab	95.12, 1.56, 13.54
CIE LCh	95, 13.629, 83.446
Yxy	87.8993, 0.3387, 0.3529
Android (android.graphics.Color)	4294963159 (0xFFFFEFD7)
YUV	241.0480, -12.8417, 12.2359
Hunter-Lab	93.7546, -3.4525, 17.0505

Details

The Yxy color **87.8993, 0.3387, 0.3529** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.7920, 0.2879, 0.3039**, and the grayscale version is **88.0950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4108, 0.3446, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **80.9012, 0.3578, 0.3690**, and if you desaturate by 10%, it is **95.4449, 0.3216, 0.3374**.

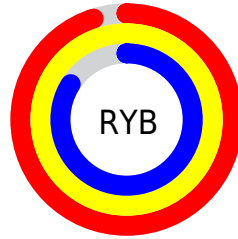
Distribution



Red (100%)

Green (94%)

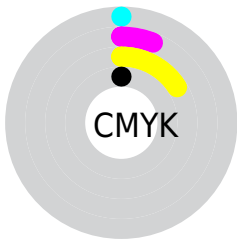
Blue (84%)



Red (95%)

Yellow (100%)

Blue (84%)

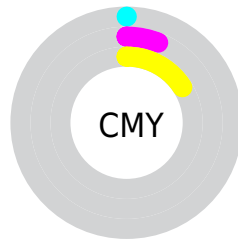


Cyan (0%)

Magenta (6%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8993, 0.3387, 0.3529 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 87.8993, 0.3387, 0.3529 by changing the saturation by 10% instead.


 87.8993, 0.3387,
0.3529

 87.8993, 0.3387,
0.3529


521.1734, 0.3271,
0.3423

 66.2397, 0.3413,
0.3552


144.4170, 0.3347,
0.3493

 48.4670, 0.3444,
0.3581

180.0438, 0.3332,
0.3479

 34.1969, 0.3483,
0.3616


221.0951, 0.3318,
0.3466

 23.0449, 0.3533,
0.3661

267.9554, 0.3306,
0.3455

 14.6266, 0.3599,
0.3720

321.0089, 0.3296,
0.3446

 8.5578, 0.3690,
0.3801

380.6402, 0.3286,

 4.4539, 0.3823,

0.3437

0.3918

447.2336, 0.3278,
0.3429

■ 1.9306, 0.4037,
0.4102

■ 0.5667, 0.5043,
0.4957

■ 87.8993, 0.3387,
0.3529

■ 87.8993, 0.3387,
0.3529

■ 80.9012, 0.3578,
0.3690

■ 95.4449, 0.3216,
0.3374

■ 74.4240, 0.3787,
0.3851

99.9927, 0.3127,
0.3290

■ 68.4558, 0.4011,
0.4007

■ 62.9798, 0.4246,
0.4148

■ 57.9777, 0.4482,
0.4261

■ 53.4296, 0.4706,
0.4335

■ 49.3130, 0.4907,
0.4359

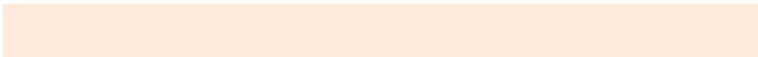
■ 45.6013, 0.5073,
0.4328

■ 44.1053, 0.5137,
0.4303

Harmonies

Analogous

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



87.8993, 0.3432, 0.3434



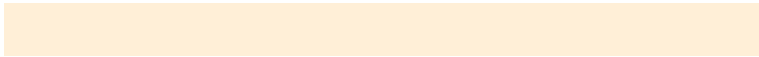
87.8993, 0.3387, 0.3529



87.8993, 0.3271, 0.3562

Triad

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



87.8993, 0.3387, 0.3529



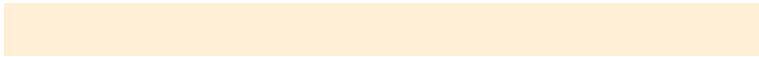
87.8993, 0.2867, 0.3266



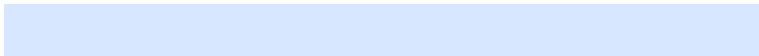
87.8993, 0.3129, 0.3077

Complementary

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



87.8993, 0.3387, 0.3529



78.7920, 0.2879, 0.3039

Split Complementary

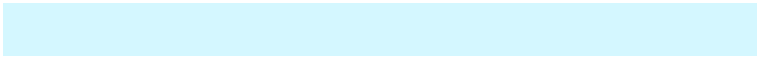
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8993, 0.2980, 0.3031



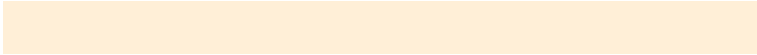
87.8993, 0.3387, 0.3529



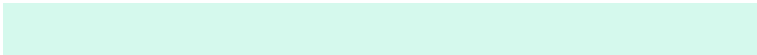
87.8993, 0.2831, 0.3135

Square

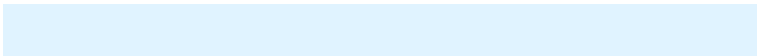
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8993, 0.3387, 0.3529



87.8993, 0.2972, 0.3408



87.8993, 0.2872, 0.3051



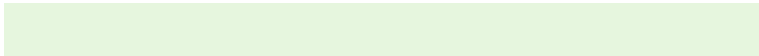
87.8993, 0.3282, 0.3176

Rectangle

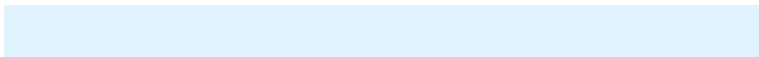
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8993, 0.3387, 0.3529



87.8993, 0.3171, 0.3541



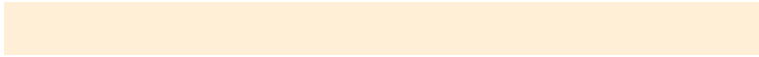
87.8993, 0.2872, 0.3051



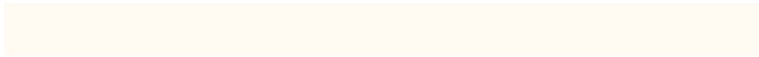
87.8993, 0.3077, 0.3055

Sweetspot

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



87.9032, 0.3387, 0.3529



96.0023, 0.3205, 0.3364



75.6277, 0.3310, 0.3131



20.4306, 0.3216, 0.3375



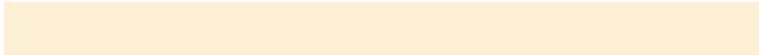
0.0000, 0.0000, 0.0000



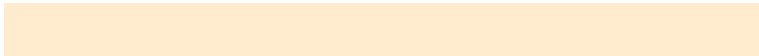
21.4041, 0.3127, 0.3290

Same Dimension

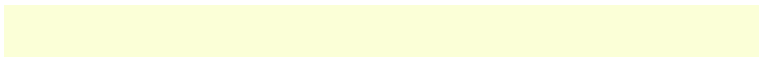
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9032, 0.3387, 0.3529



85.5412, 0.3448, 0.3582



96.9054, 0.3337, 0.3684



19.8030, 0.3279, 0.3433



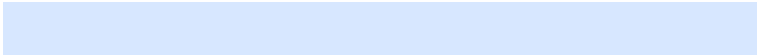
23.3538, 0.5117, 0.4319



2.4877, 0.4983, 0.4425

Inverse Universe

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



78.7920, 0.2879, 0.3039



74.7508, 0.2823, 0.2980



70.8844, 0.2898, 0.2871



18.5673, 0.2979, 0.3143



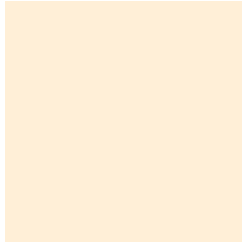
8.9860, 0.1682, 0.1256



1.0816, 0.1744, 0.1479

Previews

White Background



This preview shows how the Yxy color 87.8993, 0.3387, 0.3529 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 87.8993, 0.3387, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

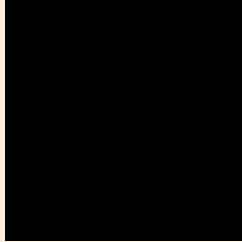
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

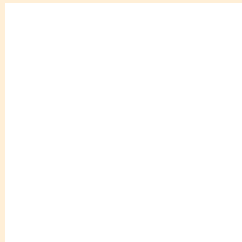
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8993, 0.3387, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 87.8993, 0.3387, 0.3529.

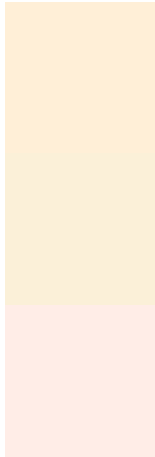


This preview shows how white text looks on a background with the Yxy color 87.8993, 0.3387, 0.3529.

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

87.8993, 0.3387, 0.3529

Protanopia

87.7873, 0.3352, 0.3531

Deuteranopia

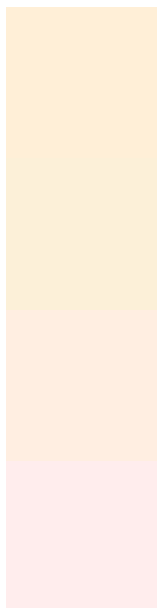
87.5979, 0.3286, 0.3349



Tritanopia

88.0905, 0.3173, 0.3164

Trichromacy



Original Color

87.8993, 0.3387, 0.3529

Protanomaly

87.9735, 0.3359, 0.3530

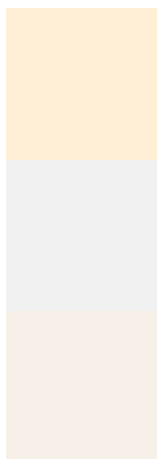
Deuteranomaly

87.8453, 0.3324, 0.3419

Tritanomaly

87.9428, 0.3248, 0.3290

Monochromacy



Original Color

87.8993, 0.3387, 0.3529

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.7392, 0.3216, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8993, 0.3387, 0.3529 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.8993, 0.3387, 0.3529 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, 215) }
```

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

```
.border{ border-color:rgb(255, 239, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 215); box-shadow:4px 4px 4px 4px rgb(255, 239, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8993, 0.3387, 0.3529 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
239, 215) }
```

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