

Converting Colors

$Yxy(87.5910, 0.3329, 0.3553)$

Have a look what the booklet for
Yxy(87.5910, 0.3329, 0.3553)
contains.

Yxy(87.5910, 0.3329, 0.3553)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5910, 0.3329, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	F7F1D7
RGB	247, 241, 215
RGB Percent	97%, 95%, 84%
CMY	0.0315, 0.0548, 0.1569
CMYK	0.00, 0.02, 0.13, 0.03
HSL	49°, 67%, 91%
HSV	49°, 13%, 97%
XYZ	82.0688, 87.5910, 76.8671
YIQ	239.8300, 11.9220, -6.8140

Conversions

Conversions Part 2

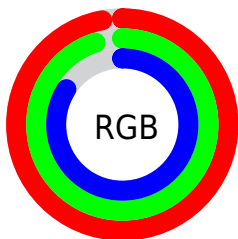
Format	Color
R _Y B	222, 247, 215
Decimal	16249303
CIE Lab	94.99, -2.28, 13.28
CIE LCh	95, 13.470, 99.738
Yxy	87.5910, 0.3329, 0.3553
Android (android.graphics.Color)	4294439383 (0xFFFF7F1D7)
YUV	239.8300, -12.2412, 6.2881
Hunter-Lab	93.5901, -7.2566, 16.8172

Details

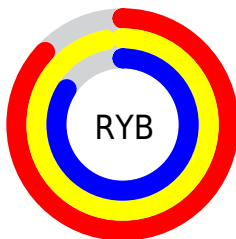
The Yxy color **87.5910, 0.3329, 0.3553** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.8427, 0.2922, 0.3013**, and the grayscale version is **87.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3124, 0.3379, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **83.7333, 0.3497, 0.3764**, and if you desaturate by 10%, it is **91.7166, 0.3171, 0.3348**.

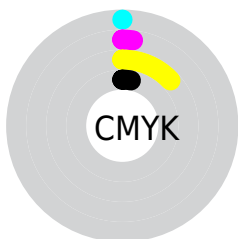
Distribution



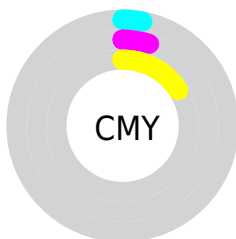
- Red (97%)
- Green (95%)
- Blue (84%)



- Red (87%)
- Yellow (97%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (3%)





- Cyan (3%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5910, 0.3329, 0.3553 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 87.5910, 0.3329, 0.3553 by changing the saturation by 10% instead.


 87.5910, 0.3329,
0.3553

 87.5910, 0.3329,
0.3553


520.1629, 0.3239,
0.3435

 65.9844, 0.3349,
0.3579


143.9876, 0.3298,
0.3513

 48.2597, 0.3373,
0.3611


179.5464, 0.3286,
0.3497

 34.0326, 0.3403,
0.3651


220.5247, 0.3276,
0.3483

 22.9187, 0.3441,
0.3702

267.3070, 0.3267,
0.3471

 14.5335, 0.3491,
0.3770

320.2775, 0.3258,
0.3460

 8.4926, 0.3560,
0.3865

379.8207, 0.3251,

 4.4117, 0.3660,

0.3451

0.4004

446.3211, 0.3245,
0.3442

■ 1.9065, 0.3819,
0.4231

■ 0.5523, 0.4594,
0.5406

■ 87.5910, 0.3329,
0.3553

■ 87.5910, 0.3329,
0.3553

■ 83.7333, 0.3497,
0.3764

■ 91.7166, 0.3171,
0.3348

■ 80.1230, 0.3671,
0.3975

■ 95.4876, 0.3079,
0.3244

■ 76.7542, 0.3848,
0.4179

■ 98.3812, 0.3078,
0.3288

■ 73.6163, 0.4020,
0.4365

■ 98.5078, 0.3078,
0.3290

■ 70.6979, 0.4182,
0.4525

■ 67.9860, 0.4324,
0.4647

■ 65.4657, 0.4440,
0.4724

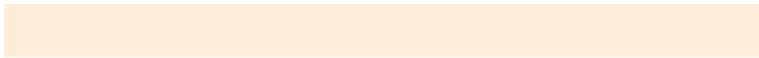
■ 63.1193, 0.4526,
0.4753

■ 61.5500, 0.4573,
0.4751

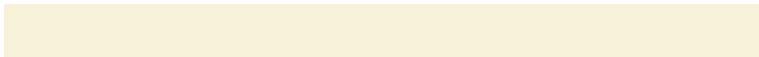
Harmonies

Analogous

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



87.5910, 0.3415, 0.3490



87.5910, 0.3329, 0.3553



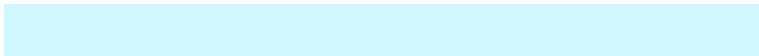
87.5910, 0.3190, 0.3544

Triad

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



87.5910, 0.3329, 0.3553



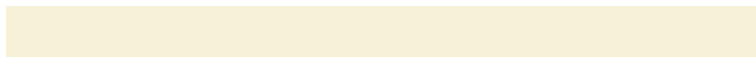
87.5910, 0.2841, 0.3192



87.5910, 0.3214, 0.3127

Complementary

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



87.5910, 0.3329, 0.3553



72.8427, 0.2922, 0.3013

Split Complementary

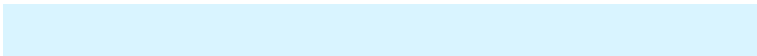
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5910, 0.3059, 0.3051



87.5910, 0.3329, 0.3553



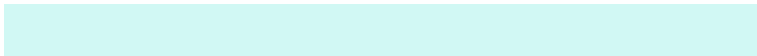
87.5910, 0.2847, 0.3084

Square

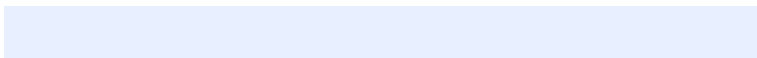
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5910, 0.3329, 0.3553



87.5910, 0.2910, 0.3331



87.5910, 0.2925, 0.3034



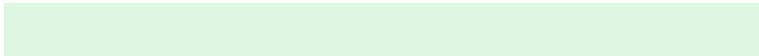
87.5910, 0.3348, 0.3244

Rectangle

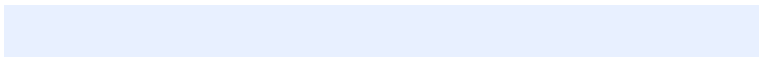
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5910, 0.3329, 0.3553



87.5910, 0.3087, 0.3497



87.5910, 0.2925, 0.3034



87.5910, 0.3162, 0.3096

Sweetspot

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



87.5949, 0.3329, 0.3553



98.1556, 0.3188, 0.3370



73.6078, 0.3319, 0.3225



20.9362, 0.3199, 0.3385



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.



87.5949, 0.3329, 0.3553



92.8975, 0.3380, 0.3618



89.4754, 0.3257, 0.3617



18.7586, 0.3273, 0.3481



32.7582, 0.4565, 0.4757



3.0117, 0.4510, 0.4801

Inverse Universe

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



72.8427, 0.2922, 0.3013



73.6776, 0.2869, 0.2940



71.2531, 0.2985, 0.2954



16.4254, 0.2979, 0.3091



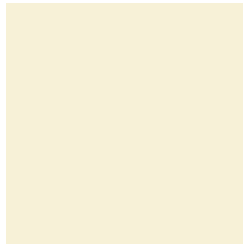
4.7321, 0.1548, 0.0774



0.5495, 0.1606, 0.0982

Previews

White Background



This preview shows how the Yxy color 87.5910, 0.3329, 0.3553 looks on a white background.

Color Contrast Check

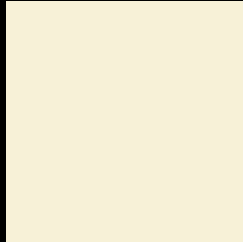
Large Text (above 18pt) WCAG AA × Fail

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 87.5910, 0.3329, 0.3553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

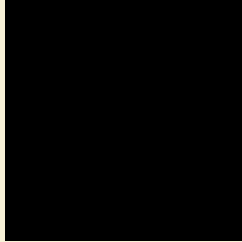
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

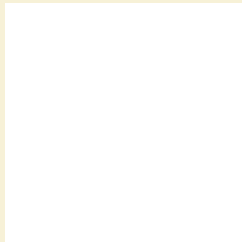
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5910, 0.3329, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 87.5910, 0.3329, 0.3553.

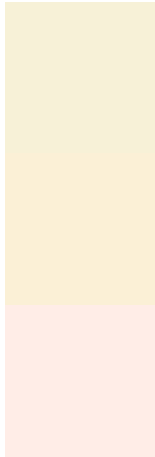


This preview shows how white text looks on a background with the Yxy color 87.5910, 0.3329, 0.3553.

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

87.5910, 0.3329, 0.3553

Protanopia

87.6844, 0.3365, 0.3551

Deuteranopia

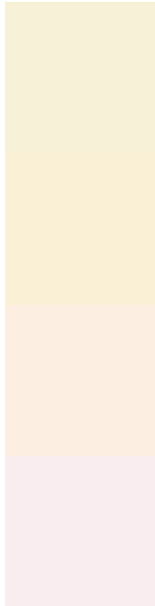
87.5979, 0.3286, 0.3349



Tritanopia

87.2679, 0.3123, 0.3106

Trichromacy



Original Color

87.5910, 0.3329, 0.3553

Protanomaly

87.4992, 0.3358, 0.3552

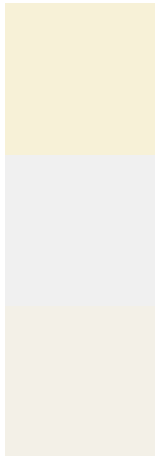
Deuteranomaly

87.2808, 0.3303, 0.3420

Tritanomaly

87.1836, 0.3195, 0.3261

Monochromacy



Original Color

87.5910, 0.3329, 0.3553

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.1444, 0.3202, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5910, 0.3329, 0.3553 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(247, 241, 215)` looks like.

```
.text, #text, p{  
    color:rgb(247, 241, 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(247, 241, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 241, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.5910, 0.3329, 0.3553 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(247, 241, 215) }
```

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

```
.border{ border-color:rgb(247, 241, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 241, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 241, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 241, 215);  
box-shadow:4px 4px 4px 4px rgb(247, 241,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5910, 0.3329, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 241, 215) }
```

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

```
.background{ background-color: rgb(247,  
241, 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