

# Converting Colors

$Y_{xy}(91.0345, 0.3418, 0.3390)$

Have a look what the booklet for  
Yxy(91.0345, 0.3418, 0.3390)  
contains.

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# Color

**Yxy(87.9551, 0.3311, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEE3
RGB	255, 238, 227
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0666, 0.1098
CMYK	0.00, 0.07, 0.11, 0.00
HSL	24°, 100%, 95%
HSV	24°, 11%, 100%
XYZ	85.6779, 87.9551, 85.1345
YIQ	241.8290, 13.6630, 0.1830

# Conversions

## Conversions Part 2

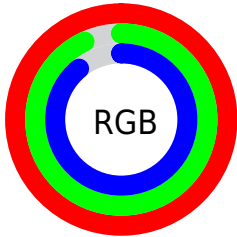
Format	Color
R <sub>Y</sub> B	255, 245, 227
Decimal	16772835
CIE Lab	95.14, 3.94, 7.37
CIE LCh	95, 8.359, 61.883
Yxy	87.9551, 0.3311, 0.3399
Android (android.graphics.Color)	4294962915 (0xFFFE3E3)
YUV	241.8290, -7.3107, 11.5510
Hunter-Lab	93.7844, -1.0517, 11.8275

# Details

The Yxy color **87.9551, 0.3311, 0.3399** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **88.2453, 0.2956, 0.3179**, and the grayscale version is **88.7036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4402, 0.3348, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **78.0267, 0.3508, 0.3505**, and if you desaturate by 10%, it is **98.8742, 0.3142, 0.3299**.

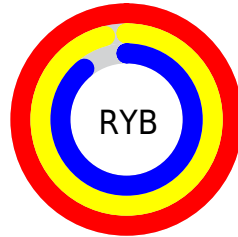
# Distribution



Red (100%)

Green (93%)

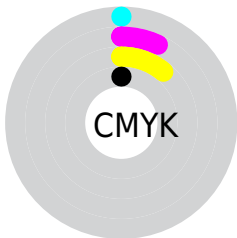
Blue (89%)



Red (100%)

Yellow (96%)

Blue (89%)

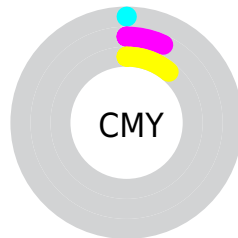


Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9551, 0.3311, 0.3399 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 87.9551, 0.3311, 0.3399 by changing the saturation by 10% instead.



 87.9551, 0.3311,  
0.3399

 87.9551, 0.3311,  
0.3399

521.3562, 0.3228,  
0.3351

 66.2859, 0.3329,  
0.3410

144.4946, 0.3283,  
0.3383

 48.5045, 0.3352,  
0.3422


180.1338, 0.3272,  
0.3376

 34.2266, 0.3380,  
0.3438


221.1983, 0.3262,  
0.3371

 23.0677, 0.3415,  
0.3458

268.0727, 0.3254,  
0.3366

 14.6435, 0.3463,  
0.3485

321.1412, 0.3246,  
0.3361

 8.5696, 0.3529,  
0.3521

380.7884, 0.3240,

 4.4615, 0.3628,

0.3357

0.3573

447.3986, 0.3234,  
0.3354

■ 1.9349, 0.3789,  
0.3655

■ 0.5693, 0.4861,  
0.4343

■ 87.9551, 0.3311,  
0.3399

■ 87.9551, 0.3311,  
0.3399

■ 78.0267, 0.3508,  
0.3505

■ 98.8742, 0.3142,  
0.3299

■ 69.0489, 0.3737,  
0.3613

■ 99.9990, 0.3127,  
0.3290

■ 60.9956, 0.3998,  
0.3721

■ 53.8351, 0.4292,  
0.3820

■ 47.5337, 0.4611,  
0.3900

■ 42.0552, 0.4941,  
0.3949

■ 37.3603, 0.5260,  
0.3952

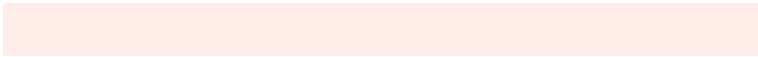
■ 33.4051, 0.5542,  
0.3903

■ 30.4231, 0.5749,  
0.3817

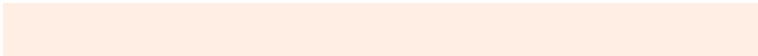
# Harmonies

## Analogous

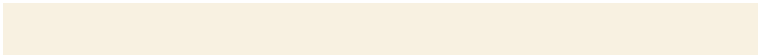
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9551, 0.3302, 0.3324



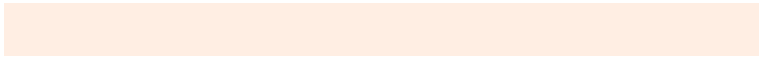
87.9551, 0.3311, 0.3399



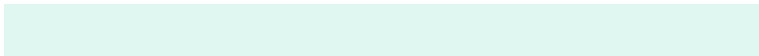
87.9551, 0.3270, 0.3447

# Triad

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



87.9551, 0.3311, 0.3399



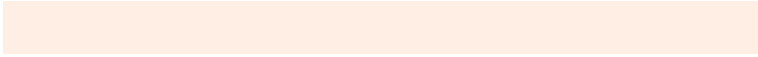
87.9551, 0.3010, 0.3339



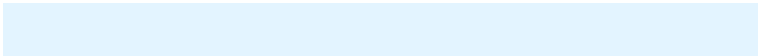
87.9551, 0.3061, 0.3133

# Complementary

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



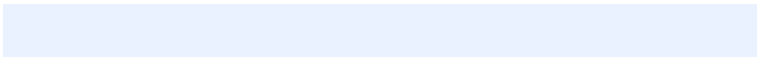
87.9551, 0.3311, 0.3399



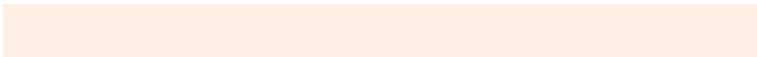
88.2453, 0.2956, 0.3179

# Split Complementary

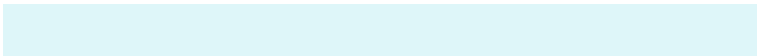
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9551, 0.2985, 0.3135



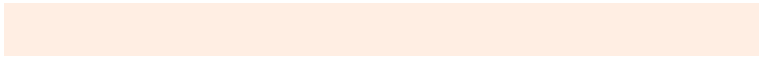
87.9551, 0.3311, 0.3399



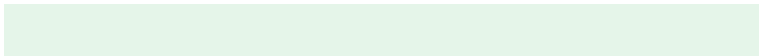
87.9551, 0.2956, 0.3252

# Square

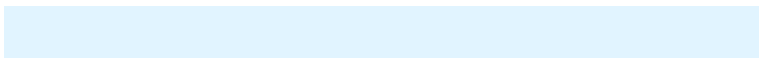
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9551, 0.3311, 0.3399



87.9551, 0.3096, 0.3413



87.9551, 0.2947, 0.3178

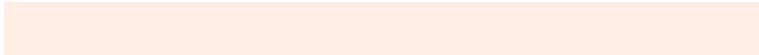


87.9551, 0.3156, 0.3172



# Rectangle

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



87.9551, 0.3311, 0.3399



87.9551, 0.3221, 0.3455



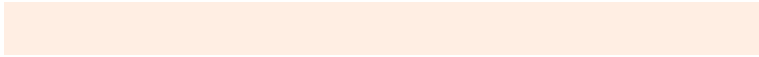
87.9551, 0.2947, 0.3178



87.9551, 0.3033, 0.3129

# Sweetspot

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



87.9590, 0.3311, 0.3399



96.5908, 0.3174, 0.3319



82.7460, 0.3209, 0.3121



20.4827, 0.3187, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

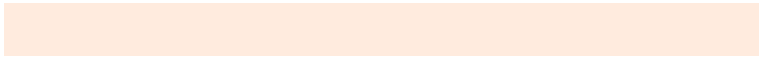


# Same Dimension

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



87.9590, 0.3311, 0.3399



85.8761, 0.3348, 0.3420



96.2558, 0.3295, 0.3531



19.1586, 0.3284, 0.3384



16.1675, 0.5720, 0.3841

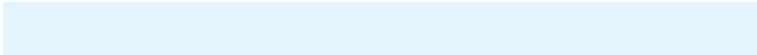


1.7797, 0.5510, 0.4007

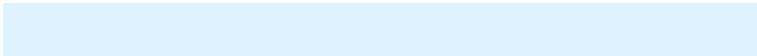


# Inverse Universe

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



88.2453, 0.2956, 0.3179



86.2100, 0.2924, 0.3157



80.2937, 0.2954, 0.3037



19.2122, 0.2979, 0.3194



16.2759, 0.1874, 0.1944

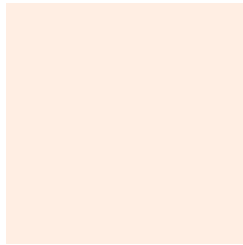


1.7977, 0.1921, 0.2114



# Previews

## White Background



This preview shows how the Yxy color 87.9551, 0.3311, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

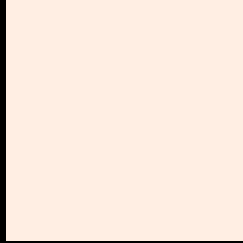
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.9551, 0.3311, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

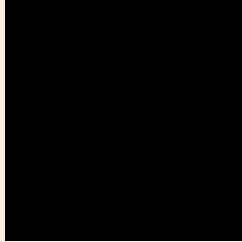
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

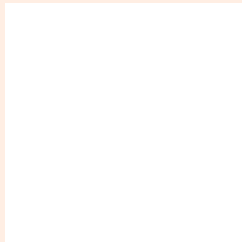
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.9551, 0.3311, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.9551, 0.3311, 0.3399.

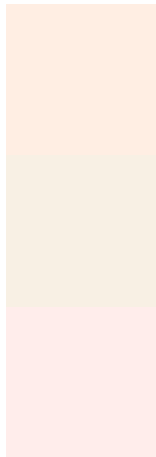


This preview shows how white text looks on a background with the Yxy color 87.9551, 0.3311, 0.3399.

# 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

87.9551, 0.3311, 0.3399

### Protanopia

87.8781, 0.3255, 0.3410

### Deuteranopia

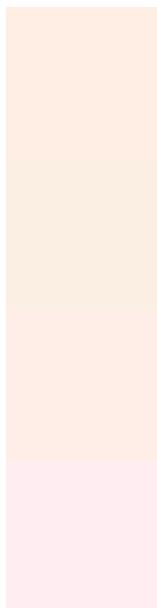
87.8265, 0.3261, 0.3310



## Tritanopia

88.1530, 0.3167, 0.3155

# Trichromacy



## Original Color

87.9551, 0.3311, 0.3399

## Protanomaly

87.8437, 0.3276, 0.3400

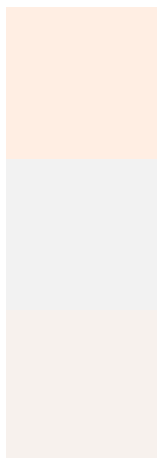
## Deuteranomaly

87.6546, 0.3280, 0.3340

## Tritanomaly

88.2392, 0.3216, 0.3242

# Monochromacy



## Original Color

87.9551, 0.3311, 0.3399

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.7992, 0.3191, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.9551, 0.3311, 0.3399 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, 238, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 227)  
}
```

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, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 87.9551, 0.3311, 0.3399 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, 238, 227) }
```

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

```
.border{ border-color:rgb(255, 238, 227) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.9551, 0.3311, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 227) }
```

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

```
.background{ background-color: rgb(255,  
238, 227) }
```

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](#).

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