

# Converting Colors

$Yxy(87.6731, 0.3295, 0.3354)$

Have a look what the booklet for  
Yxy(87.6731, 0.3295, 0.3354)  
contains.

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# Color

**Yxy(87.5415, 0.3293, 0.3359)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDE6
RGB	255, 237, 230
RGB Percent	100%, 93%, 90%
CMY	0.0000, 0.0706, 0.0979
CMYK	0.00, 0.07, 0.10, 0.00
HSL	17°, 100%, 95%
HSV	17°, 10%, 100%
XYZ	85.8214, 87.5415, 87.2548
YIQ	241.5840, 12.9750, 1.6390

# Conversions

## Conversions Part 2

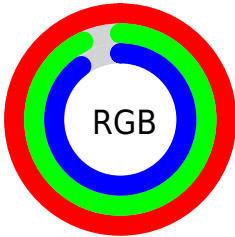
Format	Color
R <sub>Y</sub> B	255, 240, 230
Decimal	16772582
CIE Lab	94.97, 4.96, 5.55
CIE LCh	95, 7.447, 48.231
Yxy	87.5415, 0.3293, 0.3359
Android (android.graphics.Color)	4294962662 (0xFFFFE6)
YUV	241.5840, -5.7109, 11.7658
Hunter-Lab	93.5636, -0.0068, 10.2023

# Details

The Yxy color 87.5415, 0.3293, 0.3359 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.2045, 0.2975, 0.3220, and the grayscale version is 88.4820, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.1487, 0.3324, 0.3366 is the 20% darker color. If you saturate the color by 10%, you get 76.0996, 0.3494, 0.3434, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

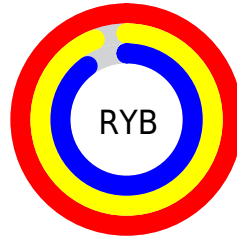
# Distribution



Red (100%)

Green (93%)

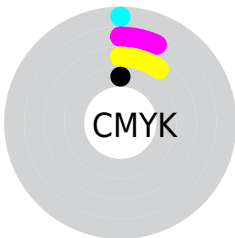
Blue (90%)



Red (100%)

Yellow (94%)

Blue (90%)

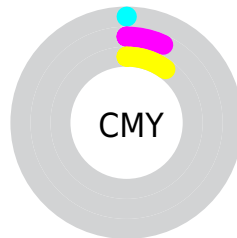


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5415, 0.3293, 0.3359 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 87.5415, 0.3293, 0.3359 by changing the saturation by 10% instead.




 87.5415, 0.3293,  
0.3359

 87.5415, 0.3293,  
0.3359

520.0006, 0.3218,  
0.3329

 65.9434, 0.3310,  
0.3366


143.9187, 0.3268,  
0.3349

 48.2265, 0.3330,  
0.3374


179.4665, 0.3258,  
0.3345

 34.0063, 0.3355,  
0.3383


220.4331, 0.3249,  
0.3341

 22.8984, 0.3387,  
0.3396

267.2028, 0.3241,  
0.3338

 14.5185, 0.3431,  
0.3412

320.1600, 0.3235,  
0.3335

 8.4822, 0.3491,  
0.3435

379.6891, 0.3229,

 4.4050, 0.3581,

0.3333

0.3467

446.1745, 0.3223,  
0.3331

■ 1.9026, 0.3729,  
0.3517

■ 0.5499, 0.4585,  
0.3916

■ 87.5415, 0.3293,  
0.3359

■ 87.5415, 0.3293,  
0.3359

■ 76.0996, 0.3494,  
0.3434

100.0000, 0.3127,  
0.3290

■ 65.9218, 0.3734,  
0.3512

■ 56.9599, 0.4016,  
0.3589

■ 49.1670, 0.4341,  
0.3660

■ 42.4933, 0.4704,  
0.3716

■ 36.8852, 0.5088,  
0.3744

■ 32.2842, 0.5464,  
0.3734

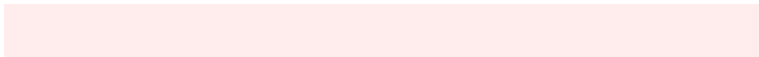
■ 28.6255, 0.5791,  
0.3678

■ 25.8293, 0.6040,  
0.3584

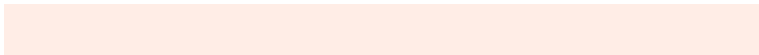
# Harmonies

## Analogous

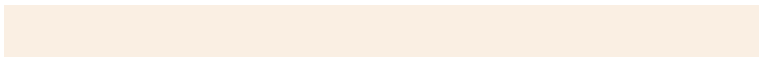
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5415, 0.3264, 0.3286



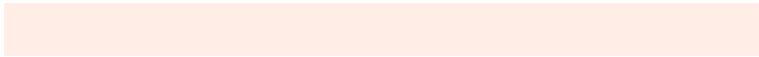
87.5415, 0.3293, 0.3359



87.5415, 0.3277, 0.3415

# Triad

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



87.5415, 0.3293, 0.3359



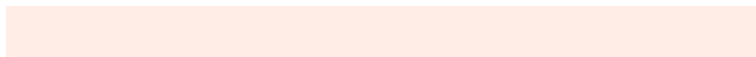
87.5415, 0.3055, 0.3366



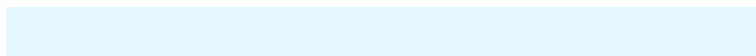
87.5415, 0.3034, 0.3146

# Complementary

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



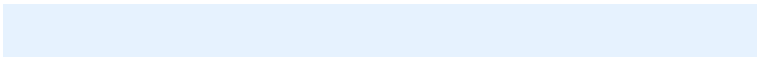
87.5415, 0.3293, 0.3359



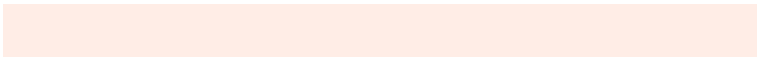
91.2045, 0.2975, 0.3220

# 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.



87.5415, 0.2980, 0.3165



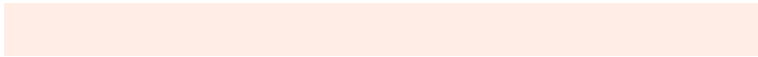
87.5415, 0.3293, 0.3359



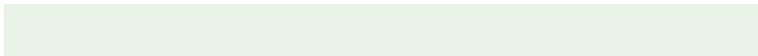
87.5415, 0.2992, 0.3292

# Square

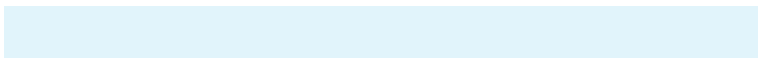
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5415, 0.3293, 0.3359



87.5415, 0.3139, 0.3420



87.5415, 0.2964, 0.3218

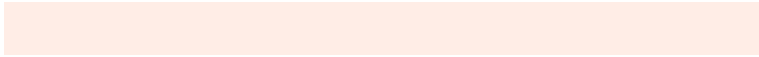


87.5415, 0.3114, 0.3165



# Rectangle

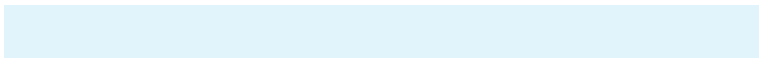
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5415, 0.3293, 0.3359



87.5415, 0.3242, 0.3434



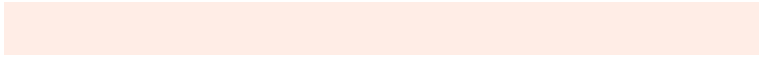
87.5415, 0.2964, 0.3218



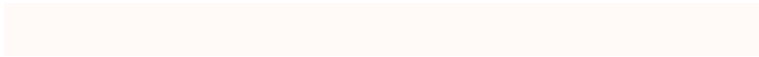
87.5415, 0.3012, 0.3148

# Sweetspot

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



87.5371, 0.3293, 0.3359



96.0474, 0.3175, 0.3311



84.6666, 0.3181, 0.3112



20.3363, 0.3188, 0.3316



0.0000, 0.0000, 0.0000

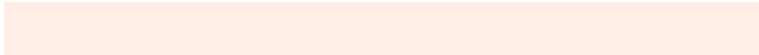


21.4041, 0.3127, 0.3290

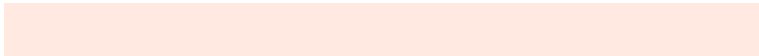


# Same Dimension

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



87.5371, 0.3293, 0.3359



84.9031, 0.3334, 0.3375



94.8329, 0.3280, 0.3477



18.8114, 0.3287, 0.3357



13.6850, 0.6016, 0.3605

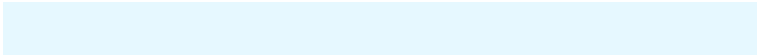


1.5070, 0.5796, 0.3780

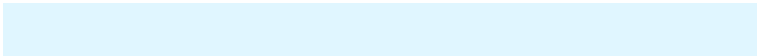


# Inverse Universe

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



91.2045, 0.2975, 0.3220



89.3276, 0.2941, 0.3203



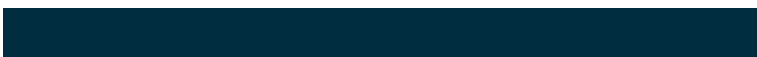
83.9538, 0.2974, 0.3096



19.5748, 0.2980, 0.3222



21.9273, 0.1987, 0.2355

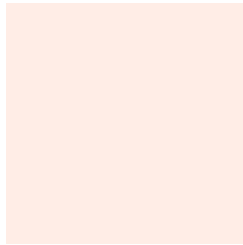


2.3193, 0.2021, 0.2474



# Previews

## White Background



This preview shows how the Yxy color 87.5415, 0.3293, 0.3359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

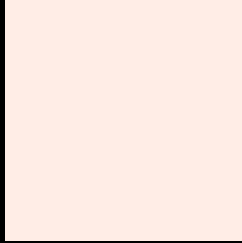
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5415, 0.3293, 0.3359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

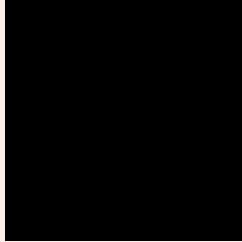
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.5415, 0.3293, 0.3359**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5415, 0.3293, 0.3359.

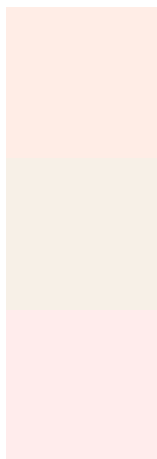


This preview shows how white text looks on a background with the Yxy color 87.5415, 0.3293, 0.3359.

# 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

87.5415, 0.3293, 0.3359

### Protanopia

87.8639, 0.3229, 0.3380

### Deuteranopia

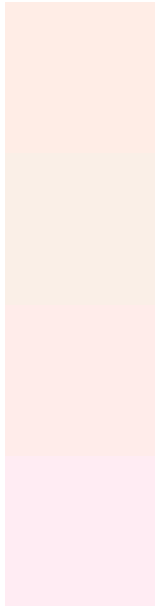
87.3070, 0.3255, 0.3290



## Tritanopia

87.5788, 0.3167, 0.3145

# Trichromacy



## Original Color

87.5415, 0.3293, 0.3359

## Protanomaly

87.8265, 0.3250, 0.3370

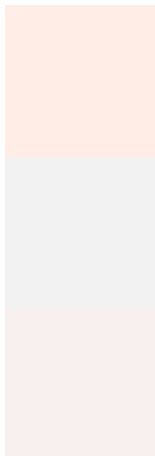
## Deuteranomaly

87.1914, 0.3268, 0.3310

## Tritanomaly

87.7220, 0.3211, 0.3222

# Monochromacy



## Original Color

87.5415, 0.3293, 0.3359

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.2674, 0.3186, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5415, 0.3293, 0.3359 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, 237, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 230)  
}
```

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, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5415, 0.3293, 0.3359 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, 237, 230) }
```

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

```
.border{ border-color:rgb(255, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5415, 0.3293, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 230) }
```

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

```
.background{ background-color: rgb(255,  
237, 230) }
```

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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