

# Converting Colors

$Y_{xy}(86.8270, 0.3320, 0.3391)$

Have a look what the booklet for  
Yxy(86.8270, 0.3320, 0.3391)  
contains.

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# Color

**Yxy(86.7419, 0.3320, 0.3389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECE2
RGB	255, 236, 226
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0745, 0.1136
CMYK	0.00, 0.07, 0.11, 0.00
HSL	21°, 100%, 94%
HSV	21°, 11%, 100%
XYZ	84.9758, 86.7419, 84.2336
YIQ	240.5410, 14.5340, 0.9180

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 241, 226
Decimal	16772322
CIE Lab	94.63, 4.83, 7.14
CIE LCh	95, 8.619, 55.926
Yxy	86.7419, 0.3320, 0.3389
Android (android.graphics.Color)	4294962402 (0xFFFFE2E2)
YUV	240.5410, -7.1687, 12.6805
Hunter-Lab	93.1353, -0.1250, 11.5716

# Details

The Yxy color **86.7419, 0.3320, 0.3389** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.7191, 0.2950, 0.3189**, and the grayscale version is **87.6298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5886, 0.3359, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **76.2545, 0.3522, 0.3482**, and if you desaturate by 10%, it is **98.3330, 0.3148, 0.3301**.

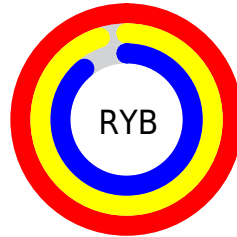
# Distribution



Red (100%)

Green (93%)

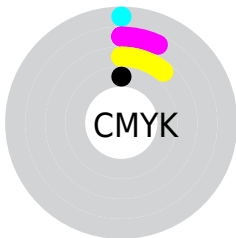
Blue (89%)



Red (100%)

Yellow (95%)

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 86.7419, 0.3320, 0.3389 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 86.7419, 0.3320, 0.3389 by changing the saturation by 10% instead.




 86.7419, 0.3320,  
0.3389

 86.7419, 0.3320,  
0.3389


517.3744, 0.3233,  
0.3345

 65.2816, 0.3339,  
0.3399


142.8043, 0.3290,  
0.3374

 47.6895, 0.3363,  
0.3410

178.1753, 0.3279,  
0.3368

 33.5811, 0.3392,  
0.3424


218.9520, 0.3269,  
0.3363

 22.5719, 0.3430,  
0.3443

265.5187, 0.3260,  
0.3359

 14.2778, 0.3481,  
0.3466

318.2599, 0.3252,  
0.3355

 8.3141, 0.3551,  
0.3499

377.5600, 0.3245,

 4.2966, 0.3657,

0.3351

0.3546

443.8034, 0.3239,  
0.3348

■ 1.8408, 0.3832,  
0.3619

■ 0.5124, 0.5143,  
0.4357

■ 86.7419, 0.3320,  
0.3389

■ 86.7419, 0.3320,  
0.3389

■ 76.2545, 0.3522,  
0.3482

■ 98.3330, 0.3148,  
0.3301

■ 66.8474, 0.3758,  
0.3578

100.0000, 0.3127,  
0.3290

■ 58.4814, 0.4033,  
0.3672

■ 51.1189, 0.4343,  
0.3758

■ 44.7198, 0.4684,  
0.3825

■ 39.2409, 0.5038,  
0.3862

■ 34.6354, 0.5380,  
0.3854

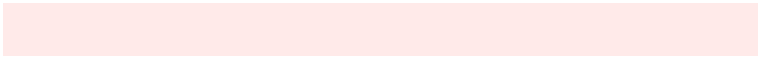
■ 30.8510, 0.5678,  
0.3795

■ 28.1907, 0.5884,  
0.3710

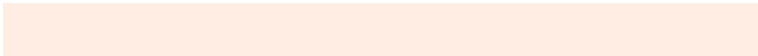
# Harmonies

## Analogous

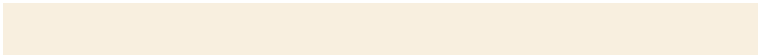
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7419, 0.3300, 0.3308



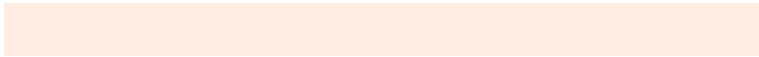
86.7419, 0.3320, 0.3389



86.7419, 0.3288, 0.3446

# Triad

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



86.7419, 0.3320, 0.3389



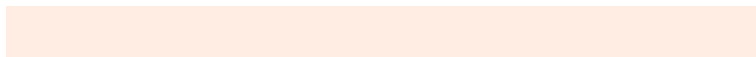
86.7419, 0.3022, 0.3358



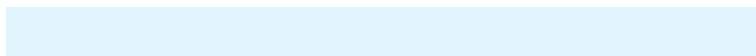
86.7419, 0.3041, 0.3125

# Complementary

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



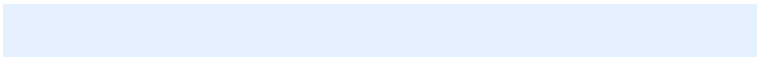
86.7419, 0.3320, 0.3389



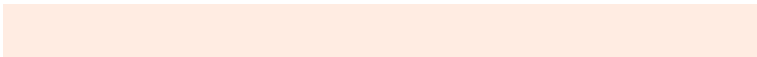
88.7191, 0.2950, 0.3189

# 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.



86.7419, 0.2968, 0.3135



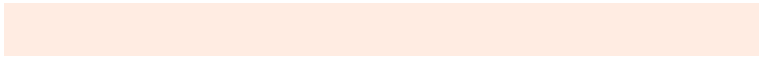
86.7419, 0.3320, 0.3389



86.7419, 0.2958, 0.3268

# Square

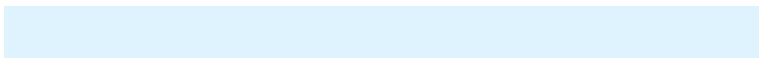
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7419, 0.3320, 0.3389



86.7419, 0.3115, 0.3429



86.7419, 0.2938, 0.3187

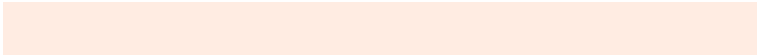


86.7419, 0.3138, 0.3157



# Rectangle

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



86.7419, 0.3320, 0.3389



86.7419, 0.3241, 0.3461



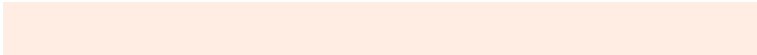
86.7419, 0.2938, 0.3187



86.7419, 0.3013, 0.3123

# Sweetspot

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



86.7385, 0.3320, 0.3389



96.3565, 0.3175, 0.3315



82.2807, 0.3203, 0.3101



20.4195, 0.3188, 0.3322



0.0000, 0.0000, 0.0000

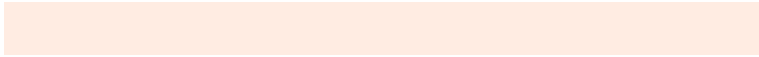


21.4041, 0.3127, 0.3290

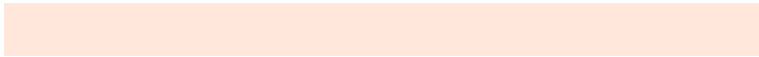


# Same Dimension

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



86.7385, 0.3320, 0.3389



83.8664, 0.3370, 0.3413



95.2301, 0.3303, 0.3526



19.0084, 0.3286, 0.3372



14.9792, 0.5854, 0.3734

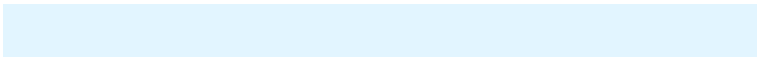


1.6526, 0.5636, 0.3907

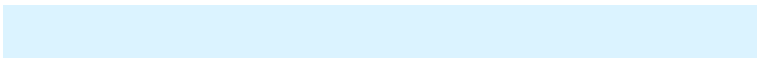


# Inverse Universe

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



88.7191, 0.2950, 0.3189



86.2613, 0.2909, 0.3164



80.4640, 0.2948, 0.3043



19.3677, 0.2980, 0.3206



18.5599, 0.1923, 0.2121

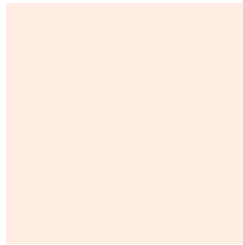


2.0108, 0.1964, 0.2269



# Previews

## White Background



This preview shows how the Yxy color 86.7419, 0.3320, 0.3389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

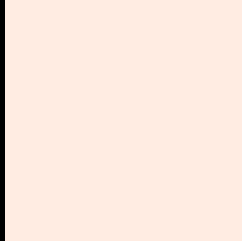
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.7419, 0.3320, 0.3389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

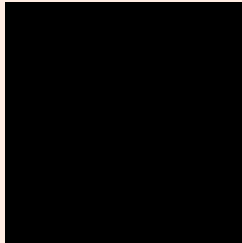
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.7419, 0.3320, 0.3389**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7419, 0.3320, 0.3389.

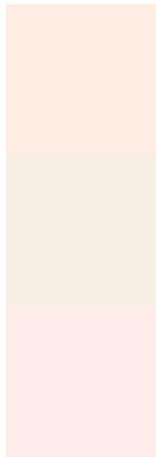


This preview shows how white text looks on a background with the Yxy color 86.7419, 0.3320, 0.3389.

# 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

86.7419, 0.3320, 0.3389

### Protanopia

87.0532, 0.3255, 0.3411

### Deuteranopia

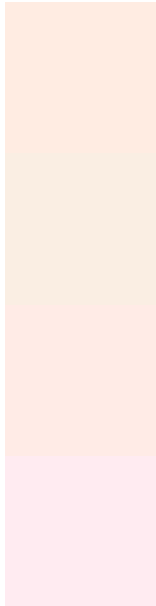
86.5599, 0.3276, 0.3310



## Tritanopia

86.9452, 0.3174, 0.3145

# Trichromacy



## Original Color

86.7419, 0.3320, 0.3389

## Protanomaly

87.0191, 0.3277, 0.3400

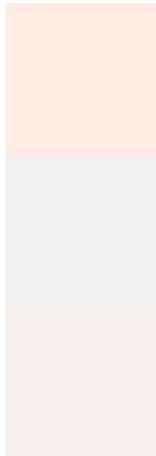
## Deuteranomaly

86.3898, 0.3295, 0.3340

## Tritanomaly

87.0275, 0.3224, 0.3232

# Monochromacy



## Original Color

86.7419, 0.3320, 0.3389

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.3820, 0.3192, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7419, 0.3320, 0.3389 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, 236, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 226)  
}
```

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, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7419, 0.3320, 0.3389 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, 236, 226) }
```

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

```
.border{ border-color:rgb(255, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7419, 0.3320, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 226) }
```

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

```
.background{ background-color: rgb(255,  
236, 226) }
```

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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