

# Converting Colors

$Y_{xy}(87.1343, 0.3352, 0.3417)$

Have a look what the booklet for  
Yxy(87.1343, 0.3352, 0.3417)  
contains.

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# Color

**Yxy(86.5786, 0.3339, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECDF
RGB	255, 236, 223
RGB Percent	100%, 93%, 87%
CMY	0.0001, 0.0745, 0.1253
CMYK	0.00, 0.07, 0.13, 0.00
HSL	24°, 100%, 94%
HSV	24°, 13%, 100%
XYZ	84.5528, 86.5786, 82.0965
YIQ	240.1990, 15.4970, -0.0150

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 245, 223
Decimal	16772319
CIE Lab	94.56, 4.33, 8.59
CIE LCh	95, 9.615, 63.249
Yxy	86.5786, 0.3339, 0.3419
Android (android.graphics.Color)	4294962399 (0xFFFFE0DF)
YUV	240.1990, -8.4791, 12.9805
Hunter-Lab	93.0476, -0.6296, 12.8214

# Details

The Yxy color **86.5786, 0.3339, 0.3419** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4241, 0.2932, 0.3157**, and the grayscale version is **87.3624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4754, 0.3385, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **76.9539, 0.3540, 0.3529**, and if you desaturate by 10%, it is **97.1576, 0.3167, 0.3315**.

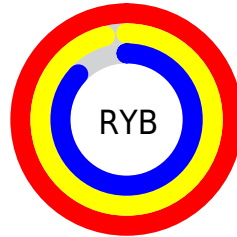
# Distribution



Red (100%)

Green (93%)

Blue (87%)



Red (100%)

Yellow (96%)

Blue (87%)



Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5786, 0.3339, 0.3419 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 86.5786, 0.3339, 0.3419 by changing the saturation by 10% instead.



 86.5786, 0.3339,  
0.3419

 86.5786, 0.3339,  
0.3419


516.8372, 0.3244,  
0.3362

 65.1465, 0.3360,  
0.3432


142.5766, 0.3306,  
0.3400

 47.5799, 0.3386,  
0.3447


177.9114, 0.3294,  
0.3392

 33.4943, 0.3419,  
0.3465


218.6492, 0.3282,  
0.3385

 22.5054, 0.3460,  
0.3489

265.1744, 0.3273,  
0.3379

 14.2287, 0.3516,  
0.3521

317.8714, 0.3264,  
0.3374

 8.2799, 0.3593,  
0.3564

377.1246, 0.3257,

 4.2746, 0.3709,

0.3370

0.3626

443.3184, 0.3250,  
0.3366

■ 1.8283, 0.3899,  
0.3723

■ 0.5047, 0.5370,  
0.4630

■ 86.5786, 0.3339,  
0.3419

■ 86.5786, 0.3339,  
0.3419

■ 76.9539, 0.3540,  
0.3529

■ 97.1576, 0.3167,  
0.3315

■ 68.2444, 0.3771,  
0.3641

99.9957, 0.3127,  
0.3290

■ 60.4253, 0.4035,  
0.3751

■ 53.4658, 0.4329,  
0.3851

■ 47.3334, 0.4646,  
0.3931

■ 41.9930, 0.4969,  
0.3976

■ 37.4065, 0.5278,  
0.3974

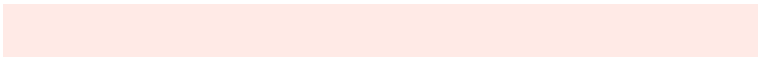
■ 33.5310, 0.5546,  
0.3918

■ 31.0623, 0.5713,  
0.3846

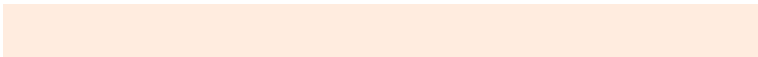
# Harmonies

## Analogous

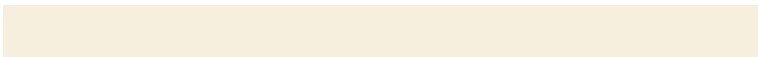
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5786, 0.3331, 0.3333



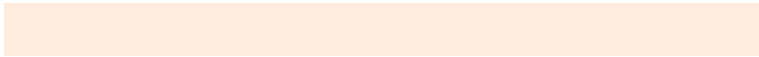
86.5786, 0.3339, 0.3419



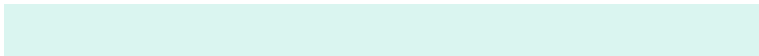
86.5786, 0.3289, 0.3473

# Triad

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



86.5786, 0.3339, 0.3419



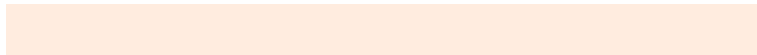
86.5786, 0.2988, 0.3342



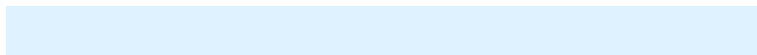
86.5786, 0.3056, 0.3111

# Complementary

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



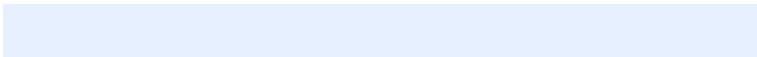
86.5786, 0.3339, 0.3419



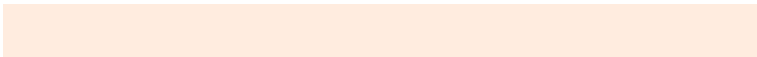
86.4241, 0.2932, 0.3157

# Split Complementary

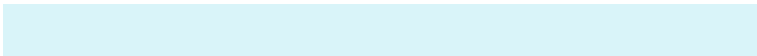
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5786, 0.2966, 0.3110



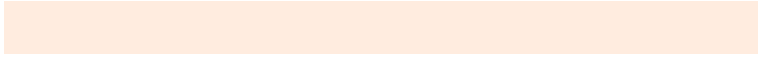
86.5786, 0.3339, 0.3419



86.5786, 0.2928, 0.3242

# Square

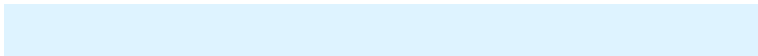
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5786, 0.3339, 0.3419



86.5786, 0.3086, 0.3429



86.5786, 0.2920, 0.3157

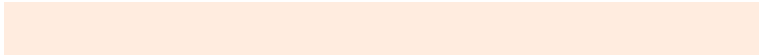


86.5786, 0.3166, 0.3157



# Rectangle

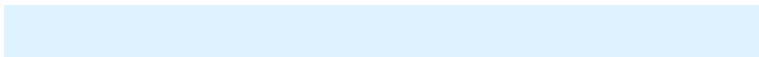
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5786, 0.3339, 0.3419



86.5786, 0.3231, 0.3482



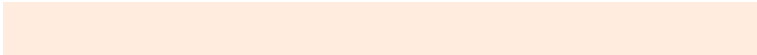
86.5786, 0.2920, 0.3157



86.5786, 0.3022, 0.3105

# Sweetspot

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



86.5824, 0.3339, 0.3419



95.5557, 0.3190, 0.3330



80.4773, 0.3226, 0.3102



20.2777, 0.3203, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

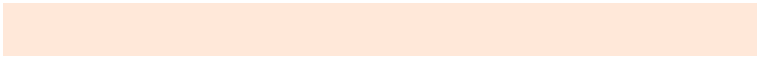


# Same Dimension

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



86.5824, 0.3339, 0.3419



84.1284, 0.3386, 0.3446



96.0710, 0.3319, 0.3571



19.1980, 0.3284, 0.3387



16.5088, 0.5683, 0.3869

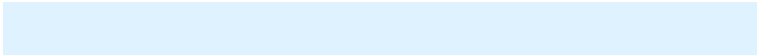


1.8153, 0.5477, 0.4033

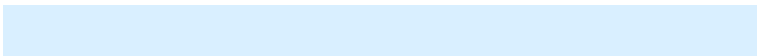


# Inverse Universe

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



86.4241, 0.2932, 0.3157



83.9413, 0.2893, 0.3129



77.4350, 0.2928, 0.2993



19.1718, 0.2979, 0.3191



15.7159, 0.1861, 0.1899

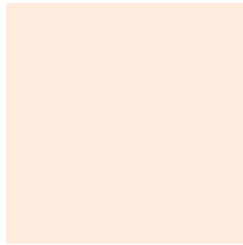


1.7449, 0.1909, 0.2073



# Previews

## White Background



This preview shows how the Yxy color 86.5786, 0.3339, 0.3419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

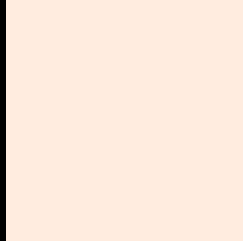
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.5786, 0.3339, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

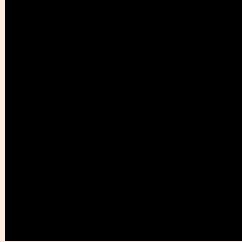
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.5786, 0.3339, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.5786, 0.3339, 0.3419.

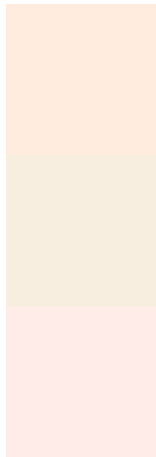


This preview shows how white text looks on a background with the Yxy color 86.5786, 0.3339, 0.3419.

# 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

86.5786, 0.3339, 0.3419

### Protanopia

86.3050, 0.3275, 0.3431

### Deuteranopia

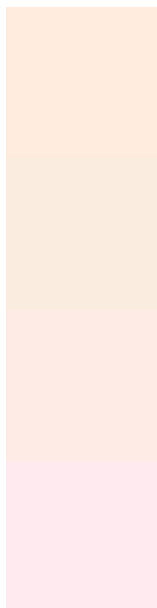
86.5029, 0.3282, 0.3320



## Tritanopia

86.3151, 0.3181, 0.3144

# Trichromacy



## Original Color

86.5786, 0.3339, 0.3419

## Protanomaly

86.2742, 0.3297, 0.3420

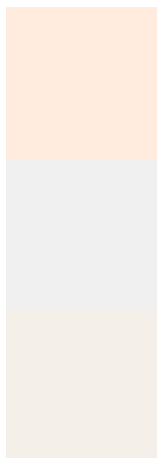
## Deuteranomaly

86.3338, 0.3302, 0.3350

## Tritanomaly

86.3376, 0.3238, 0.3241

# Monochromacy



## Original Color

86.5786, 0.3339, 0.3419

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.0860, 0.3198, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.5786, 0.3339, 0.3419 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 86.5786, 0.3339, 0.3419 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, 223) }
```

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

```
.border{ border-color:rgb(255, 236, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.5786, 0.3339, 0.3419 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
236, 223) }
```

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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