

# Converting Colors

$Yxy(86.8957, 0.3333, 0.3415)$

Have a look what the booklet for  
Yxy(86.8957, 0.3333, 0.3415)  
contains.

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# Color

**Yxy(86.6327, 0.3333, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECE0
RGB	255, 236, 224
RGB Percent	100%, 93%, 88%
CMY	0.0000, 0.0745, 0.1215
CMYK	0.00, 0.07, 0.12, 0.00
HSL	23°, 100%, 94%
HSV	23°, 12%, 100%
XYZ	84.7013, 86.6327, 82.7953
YIQ	240.3130, 15.1760, 0.2960

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 244, 224
Decimal	16772320
CIE Lab	94.58, 4.51, 8.11
CIE LCh	95, 9.280, 60.922
Yxy	86.6327, 0.3333, 0.3409
Android (android.graphics.Color)	4294962400 (0xFFFFE0E0)
YUV	240.3130, -8.0423, 12.8805
Hunter-Lab	93.0767, -0.4463, 12.4129

# Details

The Yxy color **86.6327, 0.3333, 0.3409** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1917, 0.2938, 0.3168**, and the grayscale version is **87.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5129, 0.3376, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **76.7297, 0.3534, 0.3513**, and if you desaturate by 10%, it is **97.5277, 0.3161, 0.3310**.

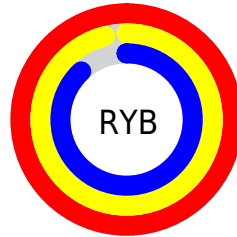
# Distribution



Red (100%)

Green (93%)

Blue (88%)



Red (100%)

Yellow (96%)

Blue (88%)



Cyan (0%)

Magenta (7%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6327, 0.3333, 0.3409 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 86.6327, 0.3333, 0.3409 by changing the saturation by 10% instead.




 86.6327, 0.3333,  
0.3409

 86.6327, 0.3333,  
0.3409


517.0152, 0.3240,  
0.3356

 65.1913, 0.3354,  
0.3421


142.6521, 0.3301,  
0.3391

 47.6162, 0.3379,  
0.3434

177.9988, 0.3289,  
0.3384

 33.5231, 0.3410,  
0.3452


218.7495, 0.3278,  
0.3378

 22.5274, 0.3451,  
0.3474

265.2884, 0.3269,  
0.3373

 14.2450, 0.3505,  
0.3503

318.0001, 0.3260,  
0.3368

 8.2912, 0.3580,  
0.3542

377.2688, 0.3253,

 4.2819, 0.3693,

0.3364

0.3599

443.4791, 0.3246,  
0.3360

■ 1.8325, 0.3878,  
0.3689

■ 0.5073, 0.5386,  
0.4614

■ 86.6327, 0.3333,  
0.3409

■ 86.6327, 0.3333,  
0.3409

■ 76.7297, 0.3534,  
0.3513

■ 97.5277, 0.3161,  
0.3310

■ 67.7967, 0.3767,  
0.3621

100.0000, 0.3127,  
0.3290

■ 59.8004, 0.4034,  
0.3726

■ 52.7081, 0.4334,  
0.3821

■ 46.4850, 0.4658,  
0.3897

■ 41.0938, 0.4991,  
0.3939

■ 36.4937, 0.5311,  
0.3936

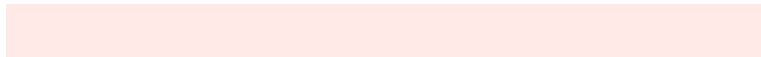
■ 32.6391, 0.5589,  
0.3878

■ 30.0943, 0.5768,  
0.3802

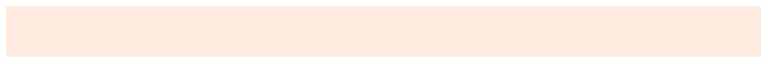
# Harmonies

## Analogous

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



86.6327, 0.3321, 0.3324



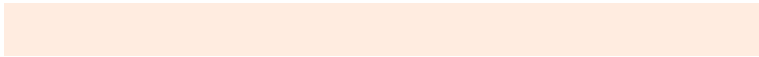
86.6327, 0.3333, 0.3409



86.6327, 0.3289, 0.3464

# Triad

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



86.6327, 0.3333, 0.3409



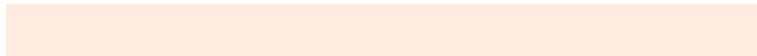
86.6327, 0.2999, 0.3347



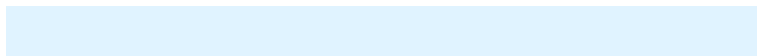
86.6327, 0.3050, 0.3115

# Complementary

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



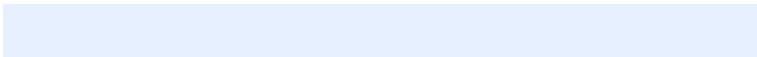
86.6327, 0.3333, 0.3409



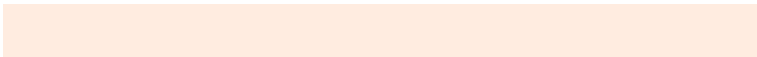
87.1917, 0.2938, 0.3168

# 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.



86.6327, 0.2966, 0.3118



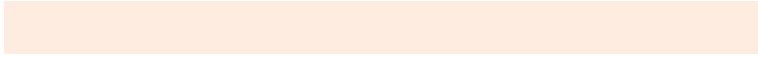
86.6327, 0.3333, 0.3409



86.6327, 0.2937, 0.3251

# Square

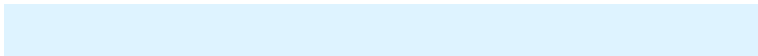
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6327, 0.3333, 0.3409



86.6327, 0.3096, 0.3429



86.6327, 0.2926, 0.3167

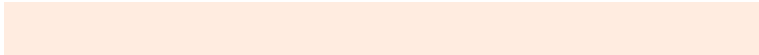


86.6327, 0.3156, 0.3157



# Rectangle

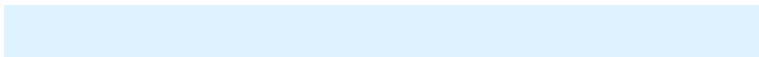
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.6327, 0.3333, 0.3409



86.6327, 0.3234, 0.3475



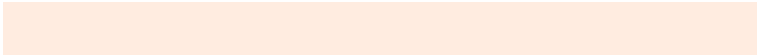
86.6327, 0.2926, 0.3167



86.6327, 0.3019, 0.3111

# Sweetspot

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



86.6303, 0.3333, 0.3409



95.4318, 0.3191, 0.3328



81.0636, 0.3219, 0.3103



20.2464, 0.3203, 0.3335



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

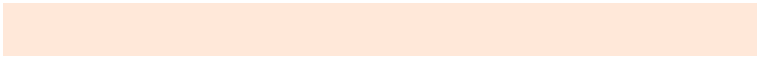


# Same Dimension

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



86.6303, 0.3333, 0.3409



83.7052, 0.3387, 0.3438



95.8792, 0.3314, 0.3557



19.1378, 0.3285, 0.3382



15.9924, 0.5739, 0.3825

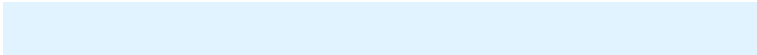


1.7612, 0.5527, 0.3993

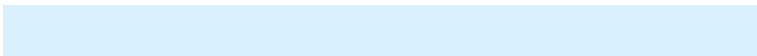


# Inverse Universe

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



87.1917, 0.2938, 0.3168



84.3838, 0.2893, 0.3137



78.3598, 0.2934, 0.3008



19.2337, 0.2979, 0.3196



16.5781, 0.1880, 0.1969

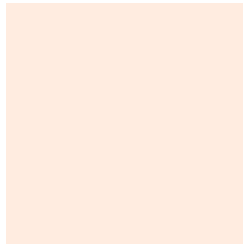


1.8261, 0.1927, 0.2135



# Previews

## White Background



This preview shows how the Yxy color 86.6327, 0.3333, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

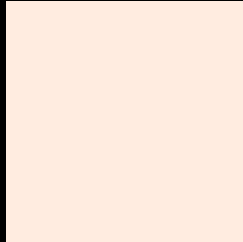
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6327, 0.3333, 0.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

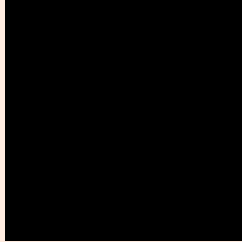
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.6327, 0.3333, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6327, 0.3333, 0.3409.

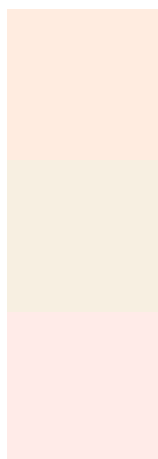


This preview shows how white text looks on a background with the Yxy color 86.6327, 0.3333, 0.3409.

# 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

86.6327, 0.3333, 0.3409

### Protanopia

86.9434, 0.3268, 0.3431

### Deuteranopia

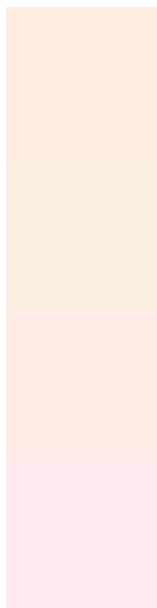
86.5029, 0.3282, 0.3320



## Tritanopia

86.8829, 0.3180, 0.3154

# Trichromacy



## Original Color

86.6327, 0.3333, 0.3409

## Protanomaly

86.9093, 0.3290, 0.3420

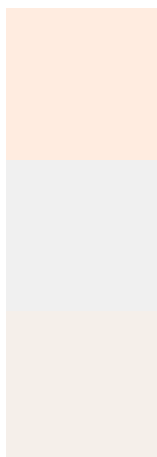
## Deuteranomaly

86.3338, 0.3302, 0.3350

## Tritanomaly

86.9087, 0.3237, 0.3251

# Monochromacy



## Original Color

86.6327, 0.3333, 0.3409

## 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 86.6327, 0.3333, 0.3409 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6327, 0.3333, 0.3409 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, 224) }
```

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

```
.border{ border-color:rgb(255, 236, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6327, 0.3333, 0.3409 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
236, 224) }
```

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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