

# Converting Colors

$Y_{xy}(89.2266, 0.3295, 0.3331)$

Have a look what the booklet for  
Yxy(89.2266, 0.3295, 0.3331)  
contains.

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# Color

**Yxy(88.3496, 0.3266, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEEE
RGB	255, 238, 234
RGB Percent	100%, 93%, 92%
CMY	0.0002, 0.0666, 0.0824
CMYK	0.00, 0.07, 0.08, 0.00
HSL	12°, 100%, 96%
HSV	12°, 8%, 100%
XYZ	86.6516, 88.3496, 90.3129
YIQ	242.6270, 11.4160, 2.3600

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 239, 234
Decimal	16772842
CIE Lab	95.31, 5.05, 4.00
CIE LCh	95, 6.437, 38.371
Yxy	88.3496, 0.3266, 0.3330
Android (android.graphics.Color)	4294962922 (0xFFFFEEEA)
YUV	242.6270, -4.2531, 10.8511
Hunter-Lab	93.9945, 0.0652, 8.8284

# Details

The Yxy color **88.3496, 0.3266, 0.3330** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.6490, 0.3000, 0.3250**, and the grayscale version is **89.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6760, 0.3298, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **75.6818, 0.3467, 0.3382**, and if you desaturate by 10%, it is **99.9919, 0.3127, 0.3290**.

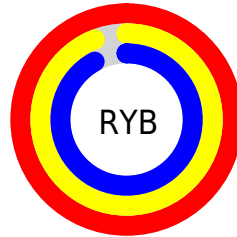
# Distribution



Red (100%)

Green (93%)

Blue (92%)



Red (100%)

Yellow (94%)

Blue (92%)



Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3496, 0.3266, 0.3330 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 88.3496, 0.3266, 0.3330 by changing the saturation by 10% instead.




 88.3496, 0.3266,  
0.3330

 88.3496, 0.3266,  
0.3330

522.6474, 0.3204,  
0.3313

 66.6126, 0.3280,  
0.3334


145.0438, 0.3245,  
0.3324

 48.7699, 0.3297,  
0.3338


180.7698, 0.3236,  
0.3322

 34.4370, 0.3318,  
0.3344


221.9276, 0.3229,  
0.3320

 23.2295, 0.3345,  
0.3351

268.9016, 0.3223,  
0.3318

 14.7631, 0.3380,  
0.3360

322.0762, 0.3217,  
0.3316

 8.6533, 0.3430,  
0.3373

381.8357, 0.3212,

 4.5157, 0.3505,

0.3315

0.3391

448.5647, 0.3208,  
0.3314

■ 1.9660, 0.3627,  
0.3418

■ 0.5876, 0.4183,  
0.3606

■ 88.3496, 0.3266,  
0.3330

■ 88.3496, 0.3266,  
0.3330

■ 75.6818, 0.3467,  
0.3382

99.9919, 0.3127,  
0.3290

■ 64.5365, 0.3711,  
0.3436

■ 54.8596, 0.4004,  
0.3490

■ 46.5892, 0.4348,  
0.3540

■ 39.6591, 0.4739,  
0.3578

■ 33.9975, 0.5159,  
0.3595

■ 29.5260, 0.5573,  
0.3583

■ 26.1566, 0.5929,  
0.3535

■ 23.7865, 0.6181,  
0.3458

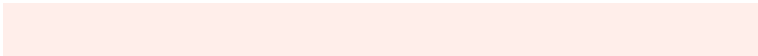
# Harmonies

## Analogous

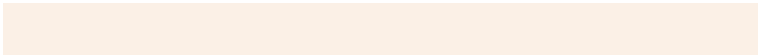
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3496, 0.3230, 0.3266



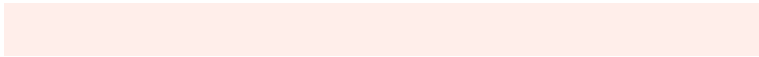
88.3496, 0.3266, 0.3330



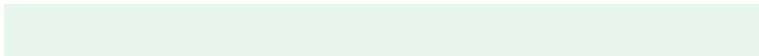
88.3496, 0.3265, 0.3384

# Triad

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



88.3496, 0.3266, 0.3330



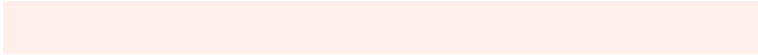
88.3496, 0.3088, 0.3373



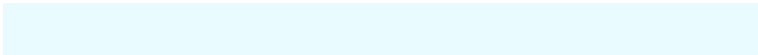
88.3496, 0.3028, 0.3168

# Complementary

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



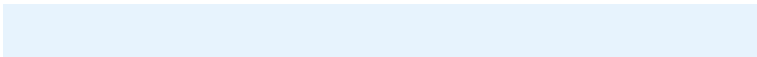
88.3496, 0.3266, 0.3330



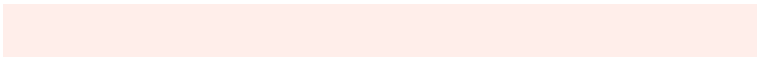
93.6490, 0.3000, 0.3250

# 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.



88.3496, 0.2992, 0.3195



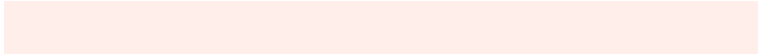
88.3496, 0.3266, 0.3330



88.3496, 0.3026, 0.3313

# Square

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



88.3496, 0.3266, 0.3330



88.3496, 0.3161, 0.3411



88.3496, 0.2990, 0.3248

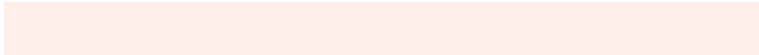


88.3496, 0.3092, 0.3173



# Rectangle

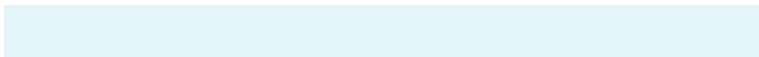
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



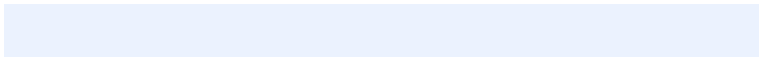
88.3496, 0.3266, 0.3330



88.3496, 0.3243, 0.3408



88.3496, 0.2990, 0.3248



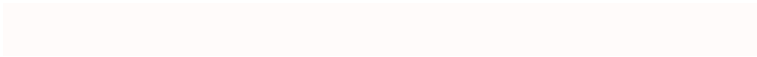
88.3496, 0.3013, 0.3173

# Sweetspot

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



88.3535, 0.3266, 0.3330



97.0768, 0.3159, 0.3300



87.0592, 0.3161, 0.3124



20.8091, 0.3157, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

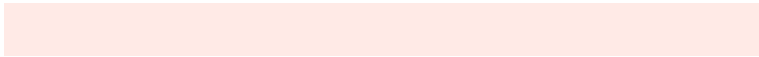


# Same Dimension

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



88.3535, 0.3266, 0.3330



86.0258, 0.3299, 0.3339



94.5202, 0.3256, 0.3430



18.5532, 0.3290, 0.3336



12.4221, 0.6193, 0.3465

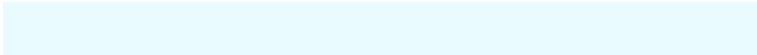


1.3514, 0.5991, 0.3625

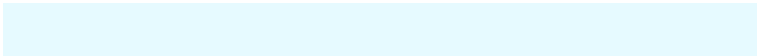


# Inverse Universe

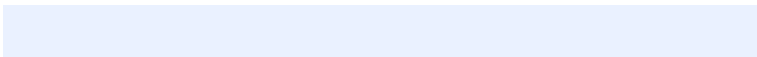
The Inverse Universe completely reimagines the original color for something new.



93.6490, 0.3000, 0.3250



92.3862, 0.2972, 0.3241



87.3948, 0.2999, 0.3146



19.8516, 0.2980, 0.3243



27.0188, 0.2072, 0.2659

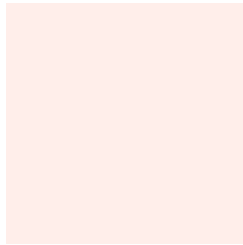


2.7762, 0.2094, 0.2739



# Previews

## White Background



This preview shows how the Yxy color 88.3496, 0.3266, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

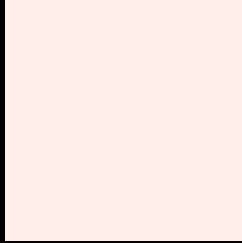
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3496, 0.3266, 0.3330 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

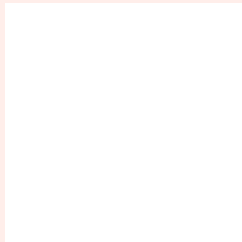
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.3496, 0.3266, 0.3330**

## Background



This preview shows how black text looks on a background with the Yxy color 88.3496, 0.3266, 0.3330.

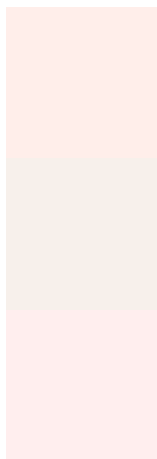


This preview shows how white text looks on a background with the Yxy color 88.3496, 0.3266, 0.3330.

# 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

88.3496, 0.3266, 0.3330

### Protanopia

88.0925, 0.3204, 0.3340

### Deuteranopia

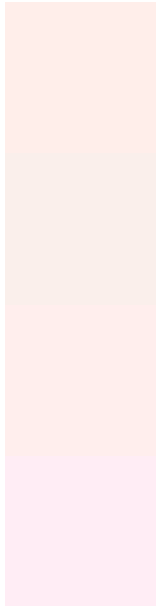
88.5821, 0.3241, 0.3290



## Tritanopia

88.2159, 0.3161, 0.3145

# Trichromacy



## Original Color

88.3496, 0.3266, 0.3330

## Protanomaly

88.0552, 0.3225, 0.3330

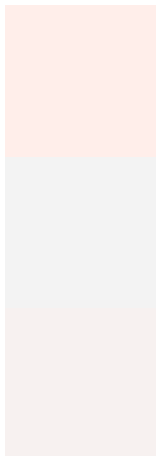
## Deuteranomaly

88.5235, 0.3247, 0.3300

## Tritanomaly

88.4209, 0.3197, 0.3212

# Monochromacy



## Original Color

88.3496, 0.3266, 0.3330

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

88.9760, 0.3173, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3496, 0.3266, 0.3330 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3496, 0.3266, 0.3330 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, 234) }
```

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

```
.border{ border-color:rgb(255, 238, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3496, 0.3266, 0.3330 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
238, 234) }
```

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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