

# Converting Colors

$Yxy(88.0067, 0.3300, 0.3570)$

Have a look what the booklet for  
Yxy(88.0067, 0.3300, 0.3570)  
contains.

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# Color

**Yxy(88.0622, 0.3299, 0.3575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3D7
RGB	243, 243, 215
RGB Percent	95%, 95%, 84%
CMY	0.0473, 0.0470, 0.1569
CMYK	0.00, 0.00, 0.12, 0.05
HSL	60°, 54%, 90%
HSV	60°, 12%, 95%
XYZ	81.2636, 88.0622, 77.0021
YIQ	239.8080, 8.9880, -8.7080

# Conversions

## Conversions Part 2

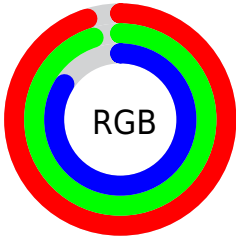
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">215, 243, 215</a>
Decimal	<a href="#">15987671</a>
CIELab	<a href="#">95.19, -4.70, 13.51</a>
CIELCh	<a href="#">95, 14.307, 109.165</a>
Yxy	<a href="#">88.0622, 0.3299, 0.3575</a>
Android (android.graphics.Color)	<a href="#">4294177751 (0xFFFF3F3D7)</a>
YUV	<a href="#">239.8080, -12.2303, 2.7994</a>
Hunter-Lab	<a href="#">93.8415, -9.6476, 17.0383</a>

# Details

The Yxy color **88.0622, 0.3299, 0.3575** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5311, 0.2945, 0.2988**, and the grayscale version is **87.0682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6435, 0.3340, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **86.8959, 0.3451, 0.3828**, and if you desaturate by 10%, it is **89.4218, 0.3150, 0.3327**.

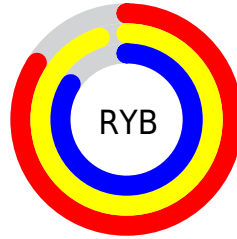
# Distribution



Red (95%)

Green (95%)

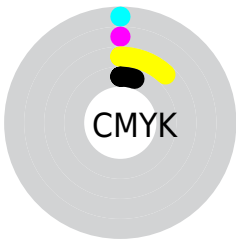
Blue (84%)



Red (84%)

Yellow (95%)

Blue (84%)

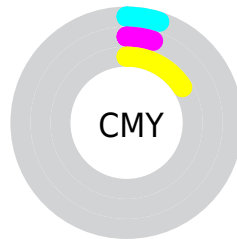


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (5%)



Cyan (5%)

Magenta (5%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0622, 0.3299, 0.3575 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 88.0622, 0.3299, 0.3575 by changing the saturation by 10% instead.




 88.0622, 0.3299,  
0.3575

 88.0622, 0.3299,  
0.3575

521.7069, 0.3223,  
0.3446

 66.3746, 0.3316,  
0.3604


144.6438, 0.3273,  
0.3531

 48.5765, 0.3336,  
0.3639


180.3065, 0.3263,  
0.3514

 34.2837, 0.3361,  
0.3682


221.3963, 0.3254,  
0.3499

 23.1116, 0.3393,  
0.3739

268.2978, 0.3246,  
0.3486

 14.6759, 0.3434,  
0.3813

321.3952, 0.3239,  
0.3474

 8.5923, 0.3491,  
0.3918

381.0729, 0.3233,

 4.4762, 0.3572,

0.3464

0.4073

447.7153, 0.3228,  
0.3455

■ 1.9434, 0.3698,  
0.4329

■ 0.5742, 0.4288,  
0.5712

■ 88.0622, 0.3299,  
0.3575

■ 88.0622, 0.3299,  
0.3575

■ 86.8959, 0.3451,  
0.3828

■ 89.4218, 0.3150,  
0.3327

■ 85.9031, 0.3602,  
0.4079


■ 90.4043, 0.3056,  
0.3172


■ 85.0790, 0.3746,  
0.4318


■ 90.4165, 0.3057,  
0.3172


■ 84.4141, 0.3877,  
0.4535


■ 90.4287, 0.3057,  
0.3172

 83.8979, 0.3989,  
0.4721


 90.4409, 0.3058,  
0.3172

 83.5187, 0.4077,  
0.4868


 90.4531, 0.3058,  
0.3172


 83.2631, 0.4139,  
0.4972

 90.4654, 0.3059,  
0.3173

 83.1150, 0.4174,  
0.5033

 90.4776, 0.3059,  
0.3173

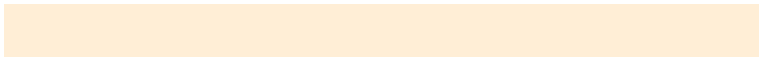
 83.0521, 0.4188,  
0.5056

 90.4898, 0.3059,  
0.3173

# Harmonies

## Analogous

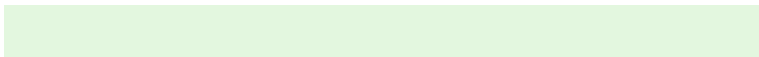
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0622, 0.3412, 0.3530



88.0622, 0.3299, 0.3575



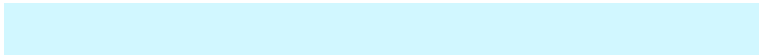
88.0622, 0.3142, 0.3540

# Triad

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



88.0622, 0.3299, 0.3575



88.0622, 0.2817, 0.3145



88.0622, 0.3268, 0.3153

# Complementary

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



88.0622, 0.3299, 0.3575



69.5311, 0.2945, 0.2988

# Split Complementary

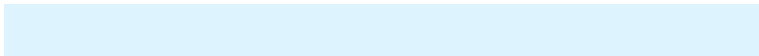
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0622, 0.3106, 0.3056



88.0622, 0.3299, 0.3575



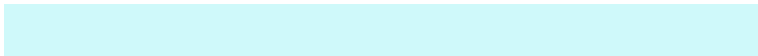
88.0622, 0.2849, 0.3048

# Square

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



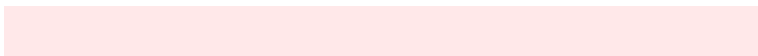
88.0622, 0.3299, 0.3575



88.0622, 0.2866, 0.3286



88.0622, 0.2953, 0.3017



88.0622, 0.3394, 0.3285

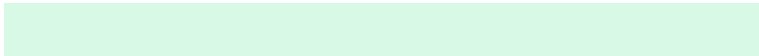


# Rectangle

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



88.0622, 0.3299, 0.3575



88.0622, 0.3034, 0.3475



88.0622, 0.2953, 0.3017



88.0622, 0.3216, 0.3115

# Sweetspot

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



88.0661, 0.3299, 0.3575



99.5129, 0.3171, 0.3363



72.5649, 0.3335, 0.3291



21.2727, 0.3183, 0.3383



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.



88.0661, 0.3299, 0.3575



97.8912, 0.3337, 0.3638



85.6811, 0.3205, 0.3583



19.3111, 0.3268, 0.3524



45.5732, 0.4188, 0.5056



4.0062, 0.4189, 0.5056



# Inverse Universe

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



69.5311, 0.2945, 0.2988



73.1620, 0.2902, 0.2917



71.7321, 0.3041, 0.2997



15.9290, 0.2979, 0.3045



3.5549, 0.1501, 0.0601

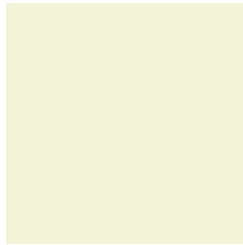


0.3132, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 88.0622, 0.3299, 0.3575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

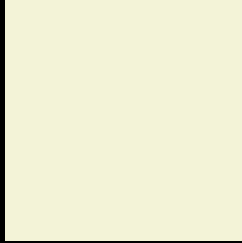
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0622, 0.3299, 0.3575 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

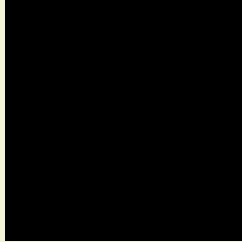
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

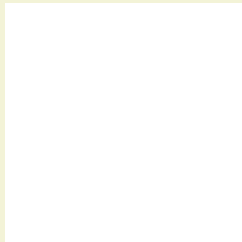
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0622, 0.3299, 0.3575**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0622, 0.3299, 0.3575.

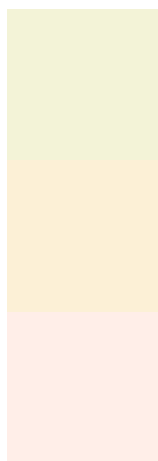


This preview shows how white text looks on a background with the Yxy color 88.0622, 0.3299, 0.3575.

# 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

88.0622, 0.3299, 0.3575

### Protanopia

87.8707, 0.3371, 0.3550

### Deuteranopia

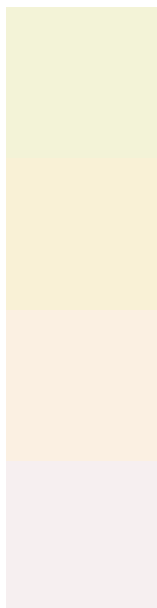
88.2353, 0.3279, 0.3349



## Tritanopia

87.7448, 0.3089, 0.3114

# Trichromacy



## Original Color

88.0622, 0.3299, 0.3575

## Protanomaly

87.9054, 0.3349, 0.3562

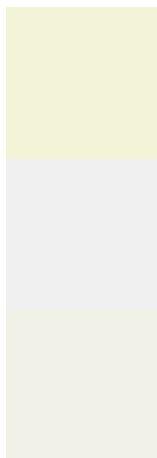
## Deuteranomaly

88.3204, 0.3288, 0.3430

## Tritanomaly

87.6171, 0.3167, 0.3280

# Monochromacy



## Original Color

88.0622, 0.3299, 0.3575

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.3809, 0.3188, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0622, 0.3299, 0.3575 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(243, 243, 215)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 215)  
}
```

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(243, 243, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0622, 0.3299, 0.3575 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(243, 243, 215) }
```

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

```
.border{ border-color:rgb(243, 243, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 243, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 243, 215);  
box-shadow:4px 4px 4px 4px rgb(243, 243,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0622, 0.3299, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 215) }
```

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

```
.background{ background-color: rgb(243,  
243, 215) }
```

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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