

# Converting Colors

$Yxy(88.5152, 0.3284, 0.3597)$

Have a look what the booklet for  
Yxy(88.5152, 0.3284, 0.3597)  
contains.

<b>Yxy(88.6851, 0.3283, 0.3607)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.6851, 0.3283, 0.3607)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0F5D6
RGB	240, 245, 214
RGB Percent	94%, 96%, 84%
CMY	0.0589, 0.0392, 0.1609
CMYK	0.02, 0.00, 0.13, 0.04
HSL	70°, 61%, 90%
HSV	70°, 13%, 96%
XYZ	80.7189, 88.6851, 76.4654
YIQ	239.9710, 6.9710, -10.7010

# Conversions

## Conversions Part 2

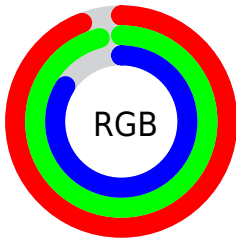
Format	Color
R <sub>Y</sub> B	214, 245, 219
Decimal	15791574
CIE Lab	95.45, -6.89, 14.38
CIE LCh	95, 15.944, 115.590
Yxy	88.6851, 0.3283, 0.3607
Android (android.graphics.Color)	4293981654 (0xFFFF0F5D6)
YUV	239.9710, -12.8037, 0.0254
Hunter-Lab	94.1728, -11.8034, 17.7793

# Details

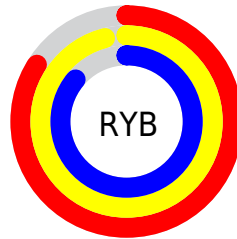
The Yxy color **88.6851, 0.3283, 0.3607** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.7355, 0.2959, 0.2959**, and the grayscale version is **87.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0887, 0.3319, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **86.8431, 0.3407, 0.3869**, and if you desaturate by 10%, it is **90.7383, 0.3160, 0.3355**.

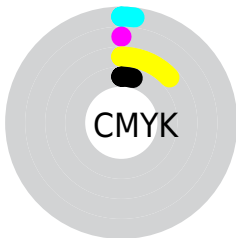
# Distribution



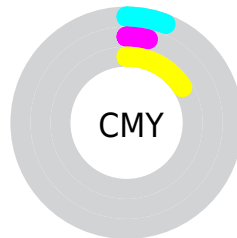
- Red (94%)
- Green (96%)
- Blue (84%)



- Red (84%)
- Yellow (96%)
- Blue (86%)



- Cyan (2%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)




- Cyan (6%)
- Magenta (4%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6851, 0.3283, 0.3607 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 88.6851, 0.3283, 0.3607 by changing the saturation by 10% instead.



 88.6851, 0.3283,  
0.3607

 88.6851, 0.3283,  
0.3607


523.7442, 0.3214,  
0.3464

 66.8906, 0.3298,  
0.3639

145.5106, 0.3260,  
0.3558

 48.9957, 0.3316,  
0.3678

181.3104, 0.3251,  
0.3539

 34.6161, 0.3338,  
0.3727

222.5473, 0.3243,  
0.3522

 23.3673, 0.3366,  
0.3790

269.6059, 0.3236,  
0.3507

 14.8649, 0.3403,  
0.3874

322.8705, 0.3229,  
0.3494

 8.7247, 0.3451,  
0.3992

382.7255, 0.3224,

 4.5620, 0.3520,

0.3483

0.4167

449.5552, 0.3219,  
0.3473

■ 1.9927, 0.3624,  
0.4459

■ 0.6032, 0.4018,  
0.5982

■ 88.6851, 0.3283,  
0.3607

■ 88.6851, 0.3283,  
0.3607

■ 86.8431, 0.3407,  
0.3869

■ 90.7383, 0.3160,  
0.3355

■ 85.1922, 0.3529,  
0.4133

■ 92.4745, 0.3087,  
0.3193

■ 83.7272, 0.3642,  
0.4391

■ 93.2071, 0.3112,  
0.3194

■ 82.4382, 0.3742,  
0.4633

■ 93.7922, 0.3132,  
0.3195

■ 81.3143, 0.3822,  
0.4847

■ 80.3433, 0.3879,  
0.5024

■ 79.5112, 0.3910,  
0.5156

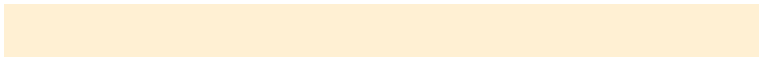
■ 78.8010, 0.3915,  
0.5242

■ 78.3388, 0.3905,  
0.5281

# Harmonies

## Analogous

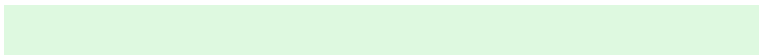
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6851, 0.3423, 0.3574



88.6851, 0.3283, 0.3607



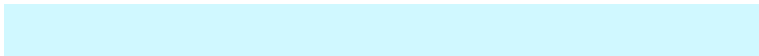
88.6851, 0.3104, 0.3550

# Triad

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



88.6851, 0.3283, 0.3607



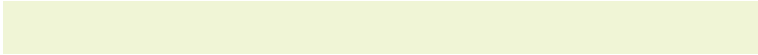
88.6851, 0.2784, 0.3100



88.6851, 0.3319, 0.3167

# Complementary

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



88.6851, 0.3283, 0.3607



69.7355, 0.2959, 0.2959

# Split Complementary

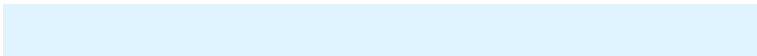
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6851, 0.3142, 0.3049



88.6851, 0.3283, 0.3607



88.6851, 0.2837, 0.3007

# Square

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



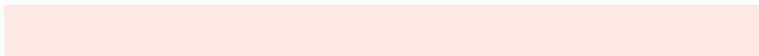
88.6851, 0.3283, 0.3607



88.6851, 0.2819, 0.3249



88.6851, 0.2966, 0.2990

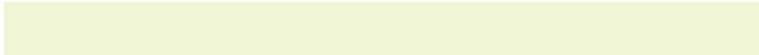


88.6851, 0.3445, 0.3318

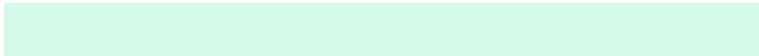


# Rectangle

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



88.6851, 0.3283, 0.3607



88.6851, 0.2987, 0.3467



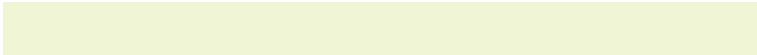
88.6851, 0.2966, 0.2990



88.6851, 0.3263, 0.3122

# Sweetspot

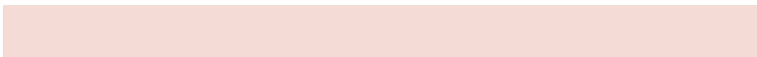
The Sweet Spot groups the original color and five complimentary colors.



88.6890, 0.3283, 0.3607



99.0484, 0.3176, 0.3388



74.7400, 0.3352, 0.3339



21.1630, 0.3185, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

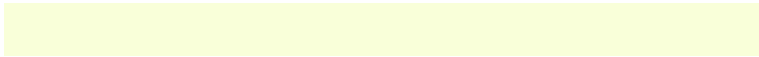


# Same Dimension

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



88.6890, 0.3283, 0.3607



96.6208, 0.3312, 0.3668



86.1479, 0.3182, 0.3617



19.1698, 0.3243, 0.3526



42.2493, 0.3910, 0.5277



3.7488, 0.3947, 0.5248



# Inverse Universe

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



69.7355, 0.2959, 0.2959



72.3961, 0.2925, 0.2892



72.1928, 0.3065, 0.2970



16.0556, 0.3004, 0.3047



3.8298, 0.1569, 0.0638

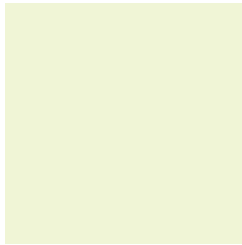


0.3734, 0.1669, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 88.6851, 0.3283, 0.3607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

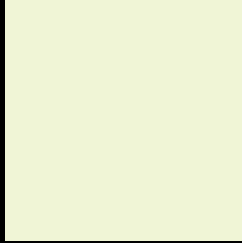
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6851, 0.3283, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

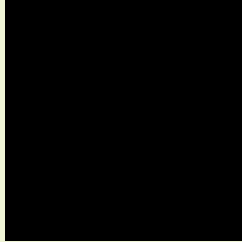
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

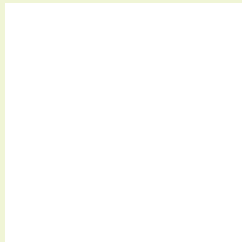
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.6851, 0.3283, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6851, 0.3283, 0.3607.

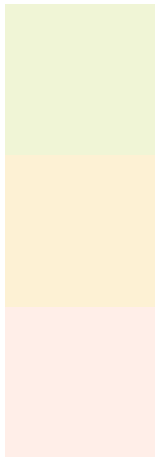


This preview shows how white text looks on a background with the Yxy color 88.6851, 0.3283, 0.3607.

# 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

88.6851, 0.3283, 0.3607

### Protanopia

88.5467, 0.3390, 0.3580

### Deuteranopia

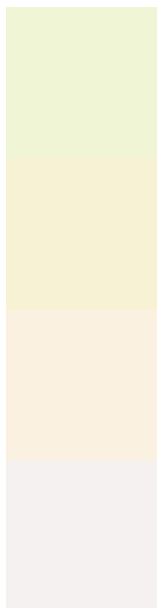
88.2353, 0.3279, 0.3349



## Tritanopia

88.5458, 0.3076, 0.3133

# Trichromacy



## Original Color

88.6851, 0.3283, 0.3607

## Protanomaly

88.2648, 0.3347, 0.3582

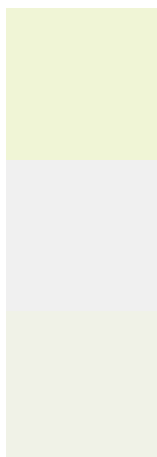
## Deuteranomaly

88.6708, 0.3286, 0.3450

## Tritanomaly

88.4350, 0.3153, 0.3300

# Monochromacy



## Original Color

88.6851, 0.3283, 0.3607

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.7990, 0.3181, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6851, 0.3283, 0.3607 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(240, 245, 214)` looks like.

```
.text, #text, p{  
    color:rgb(240, 245, 214)  
}
```

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(240, 245, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 245, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6851, 0.3283, 0.3607 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(240, 245, 214) }
```

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

```
.border{ border-color:rgb(240, 245, 214) }
```

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

Here you see how a box with a 4 pixel rgb(240, 245, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 245, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 245, 214);  
box-shadow:4px 4px 4px 4px rgb(240, 245,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6851, 0.3283, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 245, 214) }
```

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

```
.background{ background-color: rgb(240,  
245, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor