

# Converting Colors

$Yxy(83.6670, 0.3295, 0.3566)$

Have a look what the booklet for  
Yxy(83.6670, 0.3295, 0.3566)  
contains.

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# Color

**Yxy(84.0294, 0.3296, 0.3570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEED3
RGB	238, 238, 211
RGB Percent	93%, 93%, 83%
CMY	0.0669, 0.0666, 0.1725
CMYK	0.00, 0.00, 0.11, 0.07
HSL	60°, 44%, 88%
HSV	60°, 11%, 93%
XYZ	77.5801, 84.0294, 73.7670
YIQ	234.9220, 8.6670, -8.3970

# Conversions

## Conversions Part 2

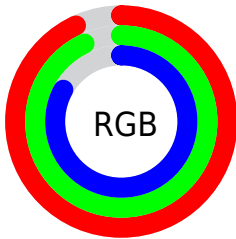
Format	Color
R <sub>Y</sub> B	211, 238, 211
Decimal	15658707
CIE Lab	93.46, -4.55, 13.07
CIE LCh	93, 13.842, 109.182
Yxy	84.0294, 0.3296, 0.3570
Android (android.graphics.Color)	4293848787 (0xFFEEEEED3)
YUV	234.9220, -11.7935, 2.6994
Hunter-Lab	91.6676, -9.3501, 16.4553

# Details

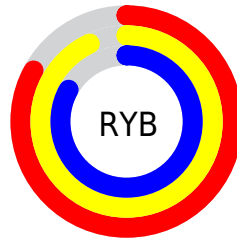
The Yxy color **84.0294, 0.3296, 0.3570** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.6323, 0.2949, 0.2994**, and the grayscale version is **83.0994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8013, 0.3338, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **82.9148, 0.3448, 0.3823**, and if you desaturate by 10%, it is **85.3281, 0.3147, 0.3323**.

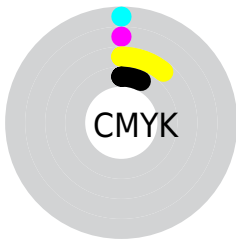
# Distribution



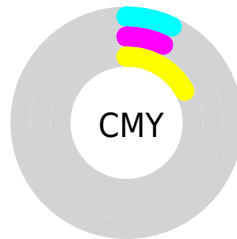
- Red (93%)
- Green (93%)
- Blue (83%)



- Red (83%)
- Yellow (93%)
- Blue (83%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0294, 0.3296, 0.3570 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 84.0294, 0.3296, 0.3570 by changing the saturation by 10% instead.



84.0294, 0.3296,  
0.3570

84.0294, 0.3296,  
0.3570

508.4109, 0.3220,  
0.3443

63.0397, 0.3313,  
0.3599

139.0163, 0.3270,  
0.3526

45.8733, 0.3333,  
0.3634

173.7823, 0.3260,  
0.3509

32.1459, 0.3358,  
0.3678

213.9092, 0.3251,  
0.3494

21.4729, 0.3390,  
0.3735

259.7814, 0.3244,  
0.3481

13.4701, 0.3433,  
0.3811

311.7832, 0.3237,  
0.3470

7.7531, 0.3491,  
0.3919

370.2992, 0.3231,

3.9374, 0.3576,

0.3460

0.4081

435.7136, 0.3225,  
0.3451

■ 1.6386, 0.3729,  
0.4377

■ 0.3834, 0.3979,  
0.6021

■ 84.0294, 0.3296,  
0.3570

■ 84.0294, 0.3296,  
0.3570

■ 82.9148, 0.3448,  
0.3823

■ 85.3281, 0.3147,  
0.3323

■ 81.9656, 0.3599,  
0.4073


■ 86.5719, 0.3025,  
0.3121


■ 81.1771, 0.3743,  
0.4312


■ 86.5832, 0.3026,  
0.3121

■ 80.5403, 0.3874,  
0.4530


■ 86.5946, 0.3026,  
0.3121

 80.0453, 0.3986,  
0.4717


 86.6059, 0.3027,  
0.3121

 79.6811, 0.4075,  
0.4865


 86.6173, 0.3027,  
0.3121

 79.4348, 0.4137,  
0.4970

 86.6287, 0.3027,  
0.3121

 79.2913, 0.4174,  
0.5031

 86.6400, 0.3028,  
0.3121

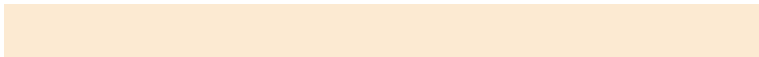
 79.2288, 0.4188,  
0.5056

 86.6514, 0.3028,  
0.3121

# Harmonies

## Analogous

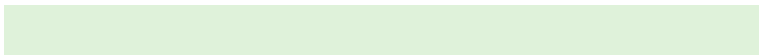
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0294, 0.3407, 0.3526



84.0294, 0.3296, 0.3570



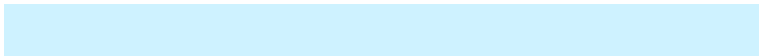
84.0294, 0.3142, 0.3536

# Triad

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



84.0294, 0.3296, 0.3570



84.0294, 0.2823, 0.3147



84.0294, 0.3266, 0.3155

# Complementary

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



84.0294, 0.3296, 0.3570



66.6323, 0.2949, 0.2994

# Split Complementary

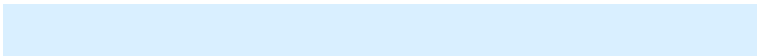
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0294, 0.3106, 0.3060



84.0294, 0.3296, 0.3570



84.0294, 0.2853, 0.3052

# Square

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



84.0294, 0.3296, 0.3570



84.0294, 0.2871, 0.3286



84.0294, 0.2956, 0.3022



84.0294, 0.3390, 0.3285

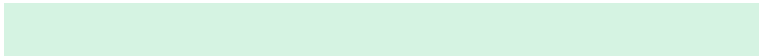


# Rectangle

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



84.0294, 0.3296, 0.3570



84.0294, 0.3036, 0.3472



84.0294, 0.2956, 0.3022



84.0294, 0.3214, 0.3118

# Sweetspot

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



84.0331, 0.3296, 0.3570



99.5130, 0.3171, 0.3363



69.4806, 0.3331, 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.



84.0331, 0.3296, 0.3570



97.8917, 0.3337, 0.3638



81.7954, 0.3204, 0.3578



18.4567, 0.3268, 0.3523



44.1939, 0.4188, 0.5056



3.6772, 0.4189, 0.5056



# Inverse Universe

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



66.6323, 0.2949, 0.2994



73.1616, 0.2902, 0.2917



68.7004, 0.3043, 0.3002



15.2308, 0.2980, 0.3046



3.4472, 0.1501, 0.0601

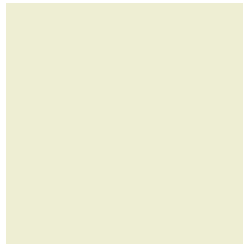


0.2875, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 84.0294, 0.3296, 0.3570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

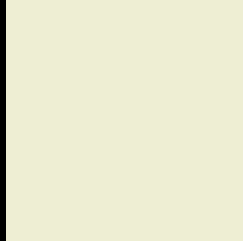
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0294, 0.3296, 0.3570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

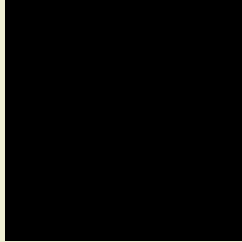
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

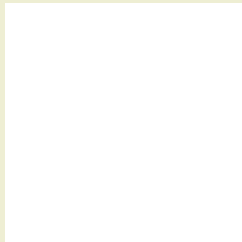
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0294, 0.3296, 0.3570**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0294, 0.3296, 0.3570.

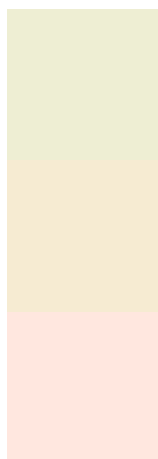


This preview shows how white text looks on a background with the Yxy color 84.0294, 0.3296, 0.3570.

# 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

84.0294, 0.3296, 0.3570

### Protanopia

83.6626, 0.3363, 0.3546

### Deuteranopia

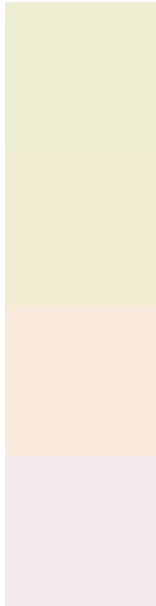
83.7395, 0.3346, 0.3370



## Tritanopia

83.9114, 0.3089, 0.3102

# Trichromacy



## Original Color

84.0294, 0.3296, 0.3570

## Protanomaly

83.6987, 0.3340, 0.3557

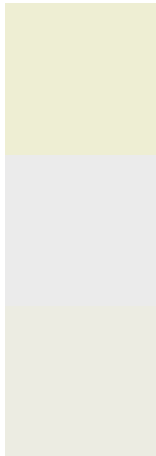
## Deuteranomaly

84.0998, 0.3326, 0.3442

## Tritanomaly

83.7790, 0.3169, 0.3270

# Monochromacy



## Original Color

84.0294, 0.3296, 0.3570

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.3148, 0.3190, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0294, 0.3296, 0.3570 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(238, 238, 211)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 211)  
}
```

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(238, 238, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0294, 0.3296, 0.3570 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(238, 238, 211) }
```

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

```
.border{ border-color:rgb(238, 238, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 211);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0294, 0.3296, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 211) }
```

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

```
.background{ background-color: rgb(238,  
238, 211) }
```

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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