

# Converting Colors

$Yxy(84.4713, 0.3294, 0.3564)$

Have a look what the booklet for  
Yxy(84.4713, 0.3294, 0.3564)  
contains.

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# Color

**Yxy(84.2533, 0.3297, 0.3559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEED4
RGB	239, 238, 212
RGB Percent	94%, 93%, 83%
CMY	0.0628, 0.0666, 0.1687
CMYK	0.00, 0.00, 0.11, 0.06
HSL	58°, 46%, 88%
HSV	58°, 11%, 94%
XYZ	78.0509, 84.2533, 74.4289
YIQ	235.3350, 8.9420, -7.8740

# Conversions

## Conversions Part 2

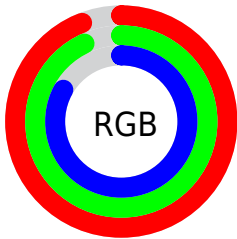
Format	Color
R <sub>Y</sub> B	213, 239, 212
Decimal	15724244
CIE Lab	93.56, -4.02, 12.72
CIE LCh	94, 13.338, 107.556
Yxy	84.2533, 0.3297, 0.3559
Android (android.graphics.Color)	4293914324 (0xFFEFEED4)
YUV	235.3350, -11.5042, 3.2142
Hunter-Lab	91.7896, -8.8490, 16.1766

# Details

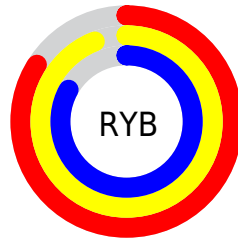
The Yxy color  $84.2533, 0.3297, 0.3559$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $67.8006, 0.2949, 0.3006$ , and the grayscale version is  $83.4313, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.9575, 0.3338, 0.3623$  is the 20% darker color. If you saturate the color by 10%, you get  $82.6351, 0.3452, 0.3803$ , and if you desaturate by 10%, it is  $86.0598, 0.3146, 0.3320$ .

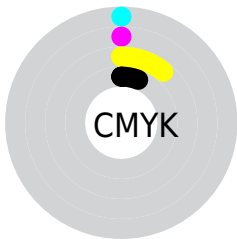
# Distribution



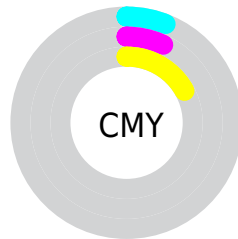
- Red (94%)
- Green (93%)
- Blue (83%)



- Red (84%)
- Yellow (94%)
- Blue (83%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)




- Cyan (6%)
- Magenta (7%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2533, 0.3297, 0.3559 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 84.2533, 0.3297, 0.3559 by changing the saturation by 10% instead.



 84.2533, 0.3297,  
0.3559

 84.2533, 0.3297,  
0.3559

509.1540, 0.3221,  
0.3437

 63.2246, 0.3314,  
0.3586


139.3295, 0.3271,  
0.3517

 46.0229, 0.3334,  
0.3620


174.1457, 0.3261,  
0.3501

 32.2639, 0.3360,  
0.3662


214.3265, 0.3252,  
0.3486

 21.5632, 0.3392,  
0.3717

260.2564, 0.3244,  
0.3474

 13.5363, 0.3435,  
0.3790

312.3197, 0.3237,  
0.3463

 7.7989, 0.3494,  
0.3892

370.9008, 0.3231,

 3.9665, 0.3581,

0.3453

0.4047

436.3841, 0.3226,  
0.3445

■ 1.6548, 0.3731,  
0.4322

■ 0.3942, 0.4122,  
0.5878

■ 84.2533, 0.3297,  
0.3559

■ 84.2533, 0.3297,  
0.3559

■ 82.6351, 0.3452,  
0.3803

■ 86.0598, 0.3146,  
0.3320

■ 81.1864, 0.3608,  
0.4046


■ 87.7386, 0.3031,  
0.3139


■ 79.9024, 0.3758,  
0.4279

■ 88.2496, 0.3031,  
0.3147

■ 78.7740, 0.3897,  
0.4492


■ 88.7631, 0.3031,  
0.3156


 77.7913, 0.4019,  
0.4675

 89.2789, 0.3031,  
0.3165

 76.9430, 0.4118,  
0.4820


 89.7972, 0.3031,  
0.3173

 76.2163, 0.4191,  
0.4922

 90.3180, 0.3030,  
0.3182

 75.5958, 0.4237,  
0.4979

 90.8412, 0.3030,  
0.3191

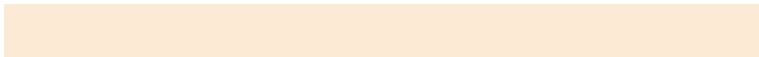
 75.1207, 0.4259,  
0.5000

 91.3669, 0.3030,  
0.3199

# Harmonies

## Analogous

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



84.2533, 0.3400, 0.3513



84.2533, 0.3297, 0.3559



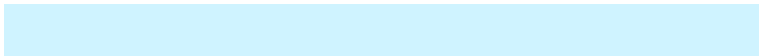
84.2533, 0.3150, 0.3530

# Triad

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



84.2533, 0.3297, 0.3559



84.2533, 0.2834, 0.3159



84.2533, 0.3253, 0.3154

# Complementary

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



84.2533, 0.3297, 0.3559



67.8006, 0.2949, 0.3006

# Split Complementary

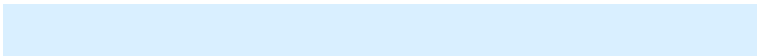
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2533, 0.3099, 0.3065



84.2533, 0.3297, 0.3559



84.2533, 0.2860, 0.3065

# Square

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



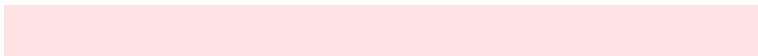
84.2533, 0.3297, 0.3559



84.2533, 0.2885, 0.3294



84.2533, 0.2955, 0.3031



84.2533, 0.3375, 0.3279



# Rectangle

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



84.2533, 0.3297, 0.3559



84.2533, 0.3047, 0.3471



84.2533, 0.2955, 0.3031



84.2533, 0.3203, 0.3119

# Sweetspot

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



84.2570, 0.3297, 0.3559



99.3401, 0.3172, 0.3361



70.2527, 0.3320, 0.3276



21.2258, 0.3184, 0.3380



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.



84.2570, 0.3297, 0.3559



97.0867, 0.3339, 0.3626



82.7849, 0.3213, 0.3576



18.3549, 0.3269, 0.3515



41.5614, 0.4258, 0.5001



3.4880, 0.4249, 0.5009



# Inverse Universe

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



67.8006, 0.2949, 0.3006



73.8260, 0.2902, 0.2930



69.1835, 0.3034, 0.3003



15.3206, 0.2979, 0.3055



3.5885, 0.1506, 0.0623

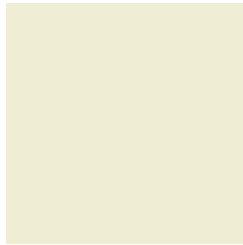


0.3307, 0.1523, 0.0682



# Previews

## White Background



This preview shows how the Yxy color 84.2533, 0.3297, 0.3559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

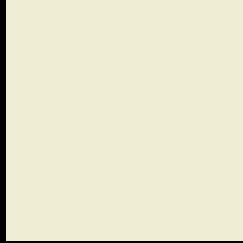
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.2533, 0.3297, 0.3559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

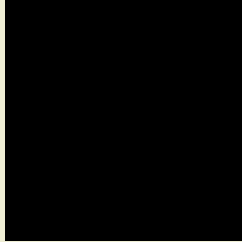
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

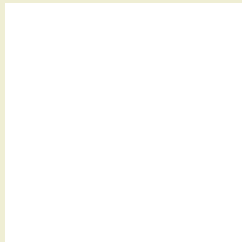
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.2533, 0.3297, 0.3559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.2533, 0.3297, 0.3559.

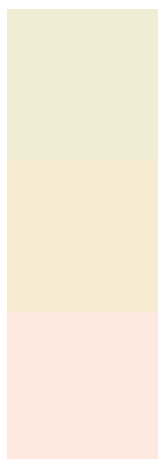


This preview shows how white text looks on a background with the Yxy color 84.2533, 0.3297, 0.3559.

# 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

84.2533, 0.3297, 0.3559

### Protanopia

84.4682, 0.3362, 0.3545

### Deuteranopia

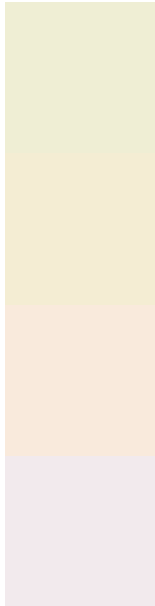
84.3550, 0.3338, 0.3370



## Tritanopia

83.9114, 0.3089, 0.3102

# Trichromacy



## Original Color

84.2533, 0.3297, 0.3559

## Protanomaly

84.5046, 0.3339, 0.3556

## Deuteranomaly

84.1527, 0.3320, 0.3432

## Tritanomaly

83.8373, 0.3162, 0.3260

# Monochromacy



## Original Color

84.2533, 0.3297, 0.3559

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.3698, 0.3183, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.2533, 0.3297, 0.3559 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(239, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 212)  
}
```

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(239, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 84.2533, 0.3297, 0.3559 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(239, 238, 212) }
```

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

```
.border{ border-color:rgb(239, 238, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 238, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 238, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 238, 212);  
box-shadow:4px 4px 4px 4px rgb(239, 238,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.2533, 0.3297, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 212) }
```

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

```
.background{ background-color: rgb(239,  
238, 212) }
```

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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