

# Converting Colors

$Yxy(84.9439, 0.3277, 0.3360)$

Have a look what the booklet for  
Yxy(84.9439, 0.3277, 0.3360)  
contains.

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# Color

**Yxy(84.7157, 0.3281, 0.3360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEAE3
RGB	250, 234, 227
RGB Percent	98%, 92%, 89%
CMY	0.0195, 0.0824, 0.1097
CMYK	0.00, 0.06, 0.09, 0.02
HSL	18°, 70%, 94%
HSV	18°, 9%, 98%
XYZ	82.7239, 84.7157, 84.6905
YIQ	237.9860, 11.7830, 1.2150

# Conversions

## Conversions Part 2

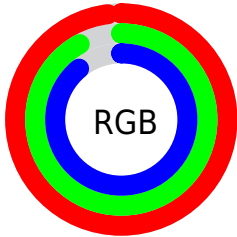
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 237, 227
Decimal	16444131
CIE Lab	93.76, 4.28, 5.31
CIE LCh	94, 6.820, 51.149
Yxy	84.7157, 0.3281, 0.3360
Android (android.graphics.Color)	4294634211 (0xFFFAEAE3)
YUV	237.9860, -5.4161, 10.5363
Hunter-Lab	92.0411, -0.6414, 9.8738

# Details

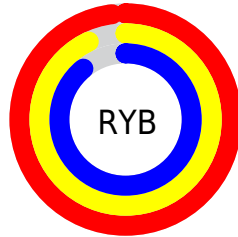
The Yxy color **84.7157, 0.3281, 0.3360** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3863, 0.2985, 0.3219**, and the grayscale version is **85.5311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1568, 0.3309, 0.3368** is the 20% darker color. If you saturate the color by 10%, you get **73.9918, 0.3479, 0.3441**, and if you desaturate by 10%, it is **96.6249, 0.3115, 0.3284**.

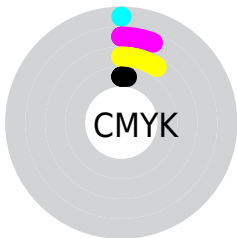
# Distribution



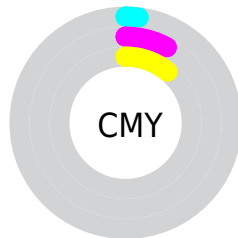
- Red (98%)
- Green (92%)
- Blue (89%)



- Red (98%)
- Yellow (93%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (9%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7157, 0.3281, 0.3360 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 84.7157, 0.3281, 0.3360 by changing the saturation by 10% instead.




 84.7157, 0.3281,  
0.3360

 84.7157, 0.3281,  
0.3360

510.6869, 0.3211,  
0.3329

 63.6065, 0.3297,  
0.3367

139.9759, 0.3257,  
0.3349

 46.3320, 0.3316,  
0.3375


174.8957, 0.3248,  
0.3345

 32.5079, 0.3339,  
0.3385


215.1878, 0.3240,  
0.3342

 21.7497, 0.3370,  
0.3398

261.2366, 0.3233,  
0.3339

 13.6731, 0.3411,  
0.3416

313.4265, 0.3226,  
0.3336

 7.8937, 0.3469,  
0.3440

372.1419, 0.3221,

 4.0270, 0.3556,

0.3333

0.3474

437.7673, 0.3216,  
0.3331

■ 1.6887, 0.3702,  
0.3529

■ 0.4163, 0.5009,  
0.4170

■ 84.7157, 0.3281,  
0.3360

■ 84.7157, 0.3281,  
0.3360

■ 73.9918, 0.3479,  
0.3441

■ 96.6249, 0.3115,  
0.3284

■ 64.4052, 0.3712,  
0.3525

■ 99.0695, 0.3097,  
0.3290

■ 55.9212, 0.3986,  
0.3609

■ 48.4988, 0.4301,  
0.3687

■ 42.0944, 0.4652,  
0.3749

■ 36.6613, 0.5025,  
0.3785

■ 32.1487, 0.5391,  
0.3781

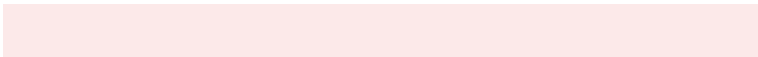
■ 28.5003, 0.5716,  
0.3730

■ 25.6479, 0.5969,  
0.3636

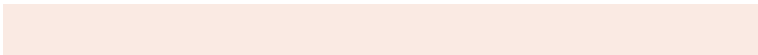
# Harmonies

## Analogous

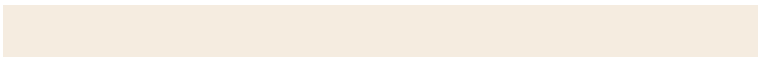
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7157, 0.3258, 0.3294



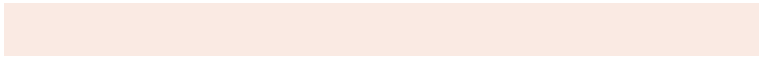
84.7157, 0.3281, 0.3360



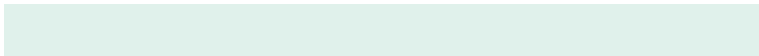
84.7157, 0.3262, 0.3409

# Triad

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



84.7157, 0.3281, 0.3360



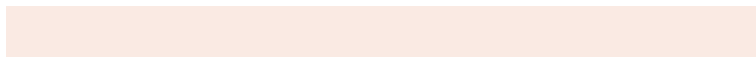
84.7157, 0.3054, 0.3354



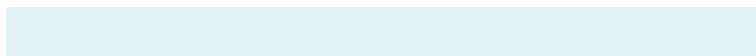
84.7157, 0.3048, 0.3157

# Complementary

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



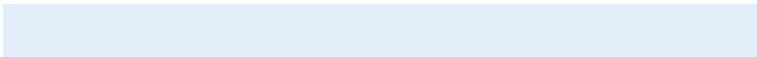
84.7157, 0.3281, 0.3360



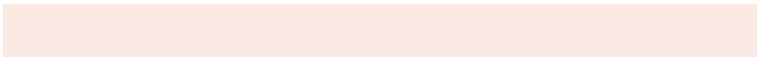
87.3863, 0.2985, 0.3219

# 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.



84.7157, 0.2994, 0.3171



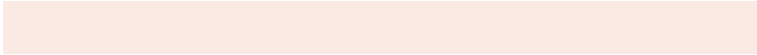
84.7157, 0.3281, 0.3360



84.7157, 0.2998, 0.3285

# Square

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



84.7157, 0.3281, 0.3360



84.7157, 0.3130, 0.3407



84.7157, 0.2976, 0.3217

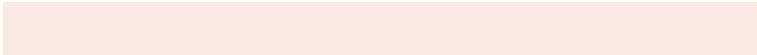


84.7157, 0.3123, 0.3177



# Rectangle

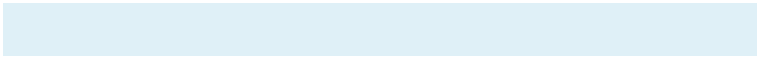
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7157, 0.3281, 0.3360



84.7157, 0.3228, 0.3425



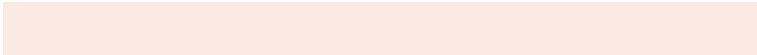
84.7157, 0.2976, 0.3217



84.7157, 0.3026, 0.3158

# Sweetspot

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



84.7194, 0.3281, 0.3360



96.1598, 0.3175, 0.3312



81.7671, 0.3182, 0.3131



20.3666, 0.3188, 0.3318



0.0000, 0.0000, 0.0000

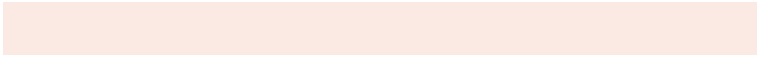


21.4041, 0.3127, 0.3290

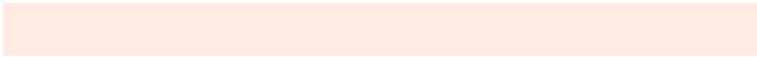


# Same Dimension

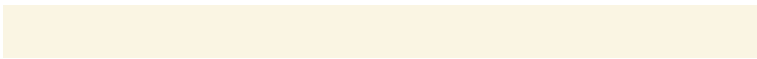
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7194, 0.3281, 0.3360



86.4700, 0.3314, 0.3374



91.4438, 0.3269, 0.3472



18.0813, 0.3286, 0.3362



13.7155, 0.5958, 0.3651

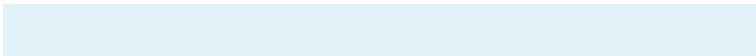


1.4480, 0.5726, 0.3836

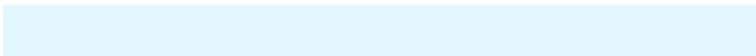


# Inverse Universe

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



87.3863, 0.2985, 0.3219



89.7674, 0.2956, 0.3204



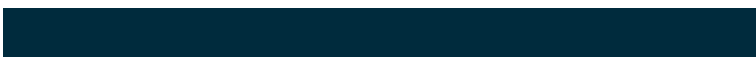
80.7493, 0.2984, 0.3101



18.6701, 0.2980, 0.3217



20.0586, 0.1964, 0.2271

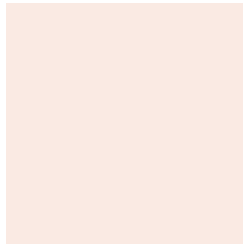


2.0440, 0.2002, 0.2407



# Previews

## White Background



This preview shows how the Yxy color 84.7157, 0.3281, 0.3360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

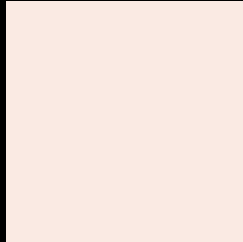
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7157, 0.3281, 0.3360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

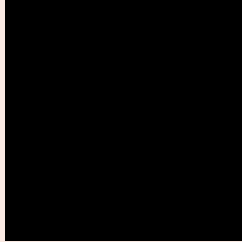
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

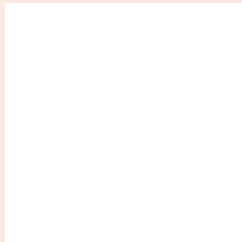
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7157, 0.3281, 0.3360**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7157, 0.3281, 0.3360.

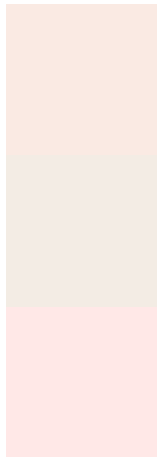


This preview shows how white text looks on a background with the Yxy color 84.7157, 0.3281, 0.3360.

# 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

84.7157, 0.3281, 0.3360

### Protanopia

84.6470, 0.3225, 0.3371

### Deuteranopia

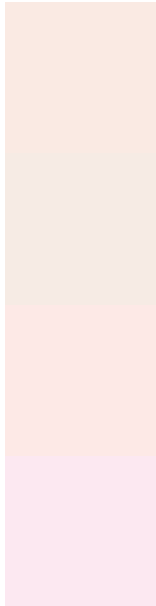
84.7427, 0.3292, 0.3300



## Tritanopia

84.8740, 0.3162, 0.3114

# Trichromacy



## Original Color

84.7157, 0.3281, 0.3360

## Protanomaly

84.6109, 0.3246, 0.3361

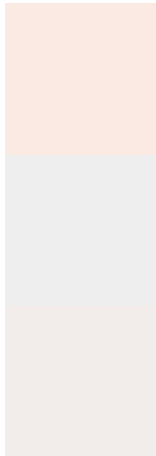
## Deuteranomaly

84.8736, 0.3283, 0.3320

## Tritanomaly

84.7595, 0.3206, 0.3202

# Monochromacy



## Original Color

84.7157, 0.3281, 0.3360

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.3861, 0.3179, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7157, 0.3281, 0.3360 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(250, 234, 227) looks like.

```
.text, #text, p{  
    color:rgb(250, 234, 227)  
}
```

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(250, 234, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 234, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7157, 0.3281, 0.3360 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(250, 234, 227) }
```

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

```
.border{ border-color:rgb(250, 234, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 234, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 234, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 234, 227);  
box-shadow:4px 4px 4px 4px rgb(250, 234,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7157, 0.3281, 0.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 234, 227) }
```

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

```
.background{ background-color: rgb(250,  
234, 227) }
```

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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