

# Converting Colors

$Yxy(87.3976, 0.3277, 0.3533)$

Have a look what the booklet for  
Yxy(87.3976, 0.3277, 0.3533)  
contains.

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# Color

**Yxy(87.4435, 0.3275, 0.3534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F2DA
RGB	242, 242, 218
RGB Percent	95%, 95%, 85%
CMY	0.0509, 0.0510, 0.1450
CMYK	0.00, 0.00, 0.10, 0.05
HSL	60°, 48%, 90%
HSV	60°, 10%, 95%
XYZ	81.0349, 87.4435, 78.9565
YIQ	239.2640, 7.7040, -7.4640

# Conversions

## Conversions Part 2

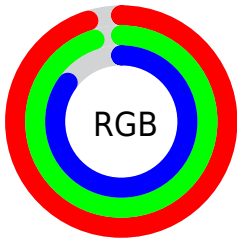
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 242, 218
Decimal	15921882
CIE Lab	94.93, -4.02, 11.57
CIE LCh	95, 12.247, 109.150
Yxy	87.4435, 0.3275, 0.3534
Android (android.graphics.Color)	4294111962 (0xFFFF2F2DA)
YUV	239.2640, -10.4832, 2.3995
Hunter-Lab	93.5112, -8.9602, 15.3962

# Details

The Yxy color **87.4435, 0.3275, 0.3534** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.4983, 0.2972, 0.3034**, and the grayscale version is **86.6182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2013, 0.3309, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **86.2512, 0.3428, 0.3786**, and if you desaturate by 10%, it is **88.8284, 0.3126, 0.3288**.

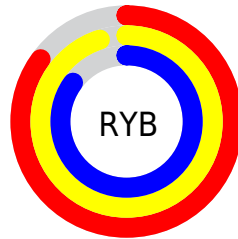
# Distribution



Red (95%)

Green (95%)

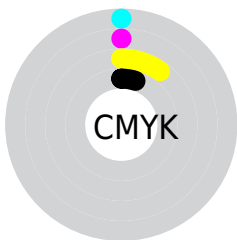
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

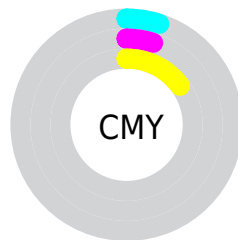


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4435, 0.3275, 0.3534 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 87.4435, 0.3275, 0.3534 by changing the saturation by 10% instead.




 87.4435, 0.3275,  
0.3534

 87.4435, 0.3275,  
0.3534


519.6791, 0.3209,  
0.3424

 65.8623, 0.3289,  
0.3559


143.7821, 0.3253,  
0.3496

 48.1606, 0.3307,  
0.3589


179.3084, 0.3244,  
0.3482

 33.9541, 0.3329,  
0.3626


220.2517, 0.3236,  
0.3469

 22.8583, 0.3356,  
0.3674

266.9966, 0.3229,  
0.3457

 14.4889, 0.3393,  
0.3739

319.9273, 0.3224,  
0.3448

 8.4615, 0.3443,  
0.3829

379.4284, 0.3218,

 4.3917, 0.3515,

0.3439

0.3963

445.8842, 0.3214,  
0.3431

■ 1.8950, 0.3628,  
0.4184

■ 0.5454, 0.4352,  
0.5648

■ 87.4435, 0.3275,  
0.3534

■ 87.4435, 0.3275,  
0.3534

■ 86.2512, 0.3428,  
0.3786

■ 88.8284, 0.3126,  
0.3288

■ 85.2322, 0.3580,  
0.4037


■ 89.6435, 0.3050,  
0.3163


■ 84.3817, 0.3726,  
0.4278

■ 89.6633, 0.3050,  
0.3163

■ 83.6903, 0.3860,  
0.4499


■ 89.6831, 0.3050,  
0.3163

 83.1480, 0.3976,  
0.4690


 89.7030, 0.3050,  
0.3164

 82.7434, 0.4069,  
0.4843


 89.7229, 0.3050,  
0.3164

 82.4635, 0.4136,  
0.4954

 89.7427, 0.3050,  
0.3164

 82.2929, 0.4177,  
0.5020

 89.7626, 0.3050,  
0.3165

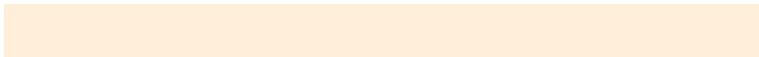
 82.2059, 0.4196,  
0.5050

 89.7824, 0.3050,  
0.3165

# Harmonies

## Analogous

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



87.4435, 0.3371, 0.3496



87.4435, 0.3275, 0.3534



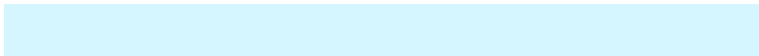
87.4435, 0.3141, 0.3504

# Triad

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



87.4435, 0.3275, 0.3534



87.4435, 0.2861, 0.3166



87.4435, 0.3248, 0.3172

# Complementary

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



87.4435, 0.3275, 0.3534



71.4983, 0.2972, 0.3034

# Split Complementary

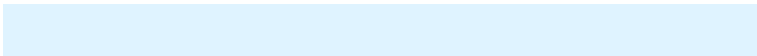
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4435, 0.3109, 0.3088



87.4435, 0.3275, 0.3534



87.4435, 0.2888, 0.3082

# Square

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



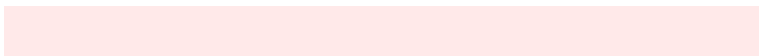
87.4435, 0.3275, 0.3534



87.4435, 0.2903, 0.3287



87.4435, 0.2978, 0.3055



87.4435, 0.3356, 0.3286

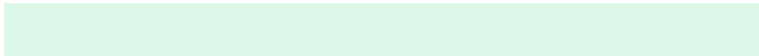


# Rectangle

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



87.4435, 0.3275, 0.3534



87.4435, 0.3048, 0.3448



87.4435, 0.2978, 0.3055



87.4435, 0.3203, 0.3139

# Sweetspot

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



87.4473, 0.3275, 0.3534



99.5103, 0.3171, 0.3363



74.1253, 0.3299, 0.3286



21.2720, 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.



87.4473, 0.3275, 0.3534



98.1567, 0.3307, 0.3587



85.4788, 0.3197, 0.3540



18.4551, 0.3268, 0.3523



44.1514, 0.4196, 0.5051



3.6742, 0.4195, 0.5051



# Inverse Universe

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



71.4983, 0.2972, 0.3034



76.6806, 0.2936, 0.2975



73.3328, 0.3052, 0.3040



15.2323, 0.2979, 0.3046



3.4494, 0.1500, 0.0601

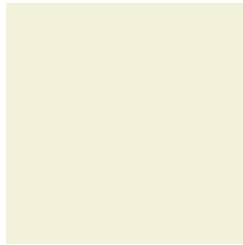


0.2882, 0.1501, 0.0603



# Previews

## White Background



This preview shows how the Yxy color 87.4435, 0.3275, 0.3534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

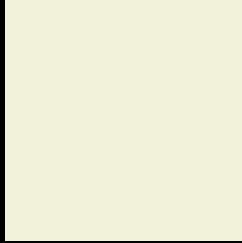
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4435, 0.3275, 0.3534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

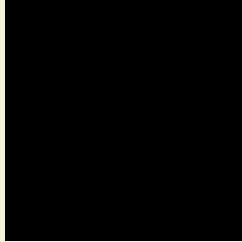
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

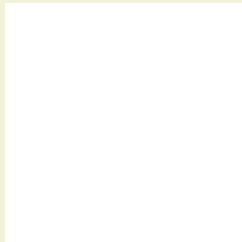
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.4435, 0.3275, 0.3534**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4435, 0.3275, 0.3534.

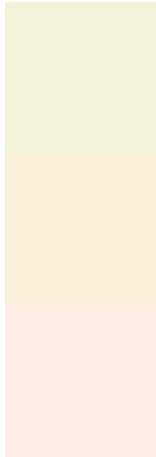


This preview shows how white text looks on a background with the Yxy color 87.4435, 0.3275, 0.3534.

# 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

87.4435, 0.3275, 0.3534

### Protanopia

87.6539, 0.3338, 0.3521

### Deuteranopia

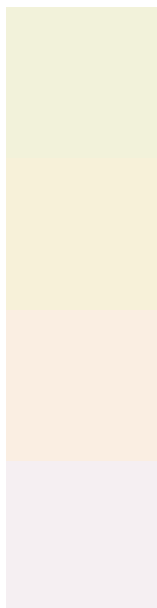
87.0204, 0.3287, 0.3340



## Tritanopia

87.5625, 0.3083, 0.3114

# Trichromacy



## Original Color

87.4435, 0.3275, 0.3534

## Protanomaly

87.6945, 0.3317, 0.3532

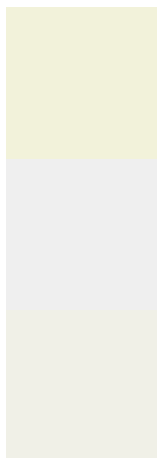
## Deuteranomaly

86.9641, 0.3283, 0.3410

## Tritanomaly

87.5563, 0.3148, 0.3260

# Monochromacy



## Original Color

87.4435, 0.3275, 0.3534

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.6150, 0.3182, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4435, 0.3275, 0.3534 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(242, 242, 218)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 218)  
}
```

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(242, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4435, 0.3275, 0.3534 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(242, 242, 218) }
```

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

```
.border{ border-color:rgb(242, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4435, 0.3275, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 218) }
```

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

```
.background{ background-color: rgb(242,  
242, 218) }
```

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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