

# Converting Colors

$Yxy(86.1763, 0.3249, 0.3458)$

Have a look what the booklet for  
Yxy(86.1763, 0.3249, 0.3458)  
contains.

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# Color

**Yxy(85.9380, 0.3247, 0.3453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EFDf
RGB	242, 239, 223
RGB Percent	95%, 94%, 87%
CMY	0.0508, 0.0628, 0.1255
CMYK	0.00, 0.01, 0.08, 0.05
HSL	50°, 42%, 91%
HSV	50°, 8%, 95%
XYZ	80.8111, 85.9380, 82.1301
YIQ	238.0730, 6.9240, -4.3400

# Conversions

## Conversions Part 2

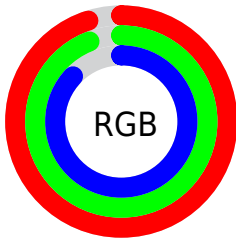
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 242, 223
Decimal	15921119
CIE Lab	94.29, -1.69, 8.09
CIE LCh	94, 8.265, 101.831
Yxy	85.9380, 0.3247, 0.3453
Android (android.graphics.Color)	4294111199 (0xFF2EFDF)
YUV	238.0730, -7.4310, 3.4440
Hunter-Lab	92.7028, -6.6273, 12.3639

# Details

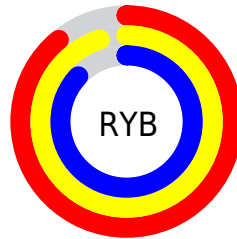
The Yxy color **85.9380, 0.3247, 0.3453** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.5060, 0.3006, 0.3122**, and the grayscale version is **85.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1332, 0.3273, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **82.4910, 0.3408, 0.3667**, and if you desaturate by 10%, it is **89.6274, 0.3096, 0.3247**.

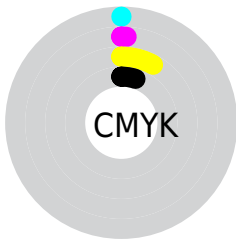
# Distribution



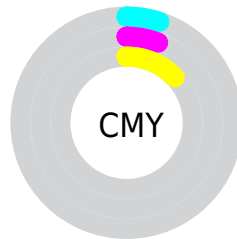
- Red (95%)
- Green (94%)
- Blue (87%)



- Red (89%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (5%)




- Cyan (5%)
- Magenta (6%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9380, 0.3247, 0.3453 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 85.9380, 0.3247, 0.3453 by changing the saturation by 10% instead.




 85.9380, 0.3247,  
0.3453

 85.9380, 0.3247,  
0.3453


514.7268, 0.3193,  
0.3380

 64.6167, 0.3259,  
0.3469


141.6830, 0.3229,  
0.3428

 47.1503, 0.3273,  
0.3489


176.8754, 0.3221,  
0.3418

 33.1545, 0.3291,  
0.3514


217.4604, 0.3215,  
0.3409

 22.2448, 0.3315,  
0.3547

263.8223, 0.3210,  
0.3402

 14.0369, 0.3345,  
0.3590

316.3455, 0.3205,  
0.3395

 8.1463, 0.3388,  
0.3650

375.4143, 0.3201,

 4.1887, 0.3452,

0.3390

0.3740

441.4133, 0.3197,  
0.3384

■ 1.7797, 0.3555,  
0.3889

■ 0.4745, 0.4633,  
0.5367

■ 85.9380, 0.3247,  
0.3453

■ 85.9380, 0.3247,  
0.3453

■ 82.4910, 0.3408,  
0.3667

■ 89.6274, 0.3096,  
0.3247

■ 79.2670, 0.3577,  
0.3885

■ 92.4544, 0.3049,  
0.3209

■ 76.2611, 0.3749,  
0.4099

■ 94.8374, 0.3048,  
0.3247

■ 73.4637, 0.3918,  
0.4300

■ 97.2696, 0.3048,  
0.3284

70.8647, 0.4078,  
0.4478

97.6236, 0.3048,  
0.3290

68.4526, 0.4222,  
0.4624

66.2146, 0.4343,  
0.4728

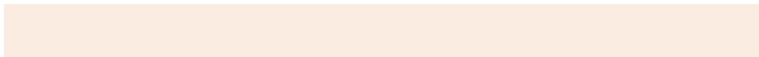
64.1354, 0.4435,  
0.4786

62.1947, 0.4500,  
0.4800

# Harmonies

## Analogous

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



85.9380, 0.3302, 0.3418



85.9380, 0.3247, 0.3453



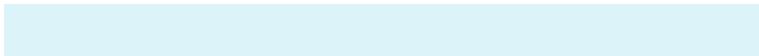
85.9380, 0.3160, 0.3443

# Triad

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



85.9380, 0.3247, 0.3453



85.9380, 0.2948, 0.3225



85.9380, 0.3188, 0.3193

# Complementary

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



85.9380, 0.3247, 0.3453



76.5060, 0.3006, 0.3122

# Split Complementary

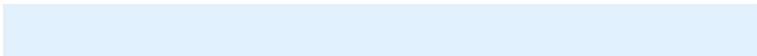
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9380, 0.3092, 0.3143



85.9380, 0.3247, 0.3453



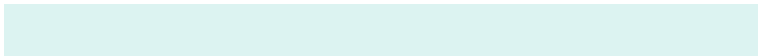
85.9380, 0.2955, 0.3160

# Square

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



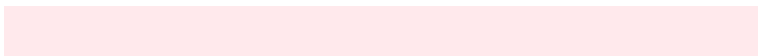
85.9380, 0.3247, 0.3453



85.9380, 0.2988, 0.3310



85.9380, 0.3007, 0.3130



85.9380, 0.3268, 0.3268

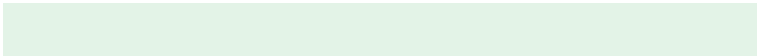


# Rectangle

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



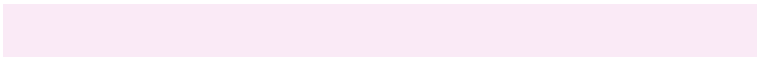
85.9380, 0.3247, 0.3453



85.9380, 0.3096, 0.3412



85.9380, 0.3007, 0.3130



85.9380, 0.3156, 0.3172

# Sweetspot

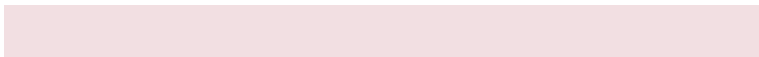
The Sweet Spot groups the original color and five complimentary colors.



85.9417, 0.3247, 0.3453



99.1578, 0.3157, 0.3331



77.1520, 0.3241, 0.3258



21.2327, 0.3156, 0.3329



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.



85.9417, 0.3247, 0.3453



96.2948, 0.3265, 0.3477



86.6321, 0.3202, 0.3486



18.0044, 0.3272, 0.3487



33.3530, 0.4506, 0.4805



2.8886, 0.4458, 0.4843



# Inverse Universe

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



76.5060, 0.3006, 0.3122



84.2093, 0.2987, 0.3095



75.8949, 0.3049, 0.3092



15.6360, 0.2980, 0.3085



4.3372, 0.1538, 0.0737

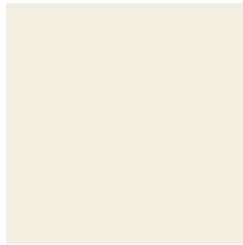


0.4808, 0.1595, 0.0943



# Previews

## White Background



This preview shows how the Yxy color 85.9380, 0.3247, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

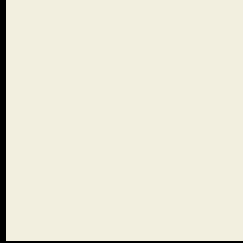
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9380, 0.3247, 0.3453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

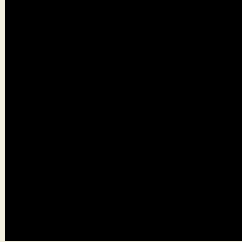
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.9380, 0.3247, 0.3453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9380, 0.3247, 0.3453.

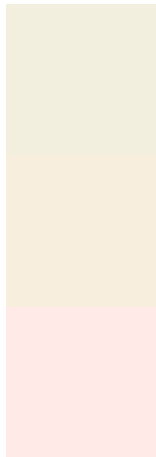


This preview shows how white text looks on a background with the Yxy color 85.9380, 0.3247, 0.3453.

# 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

85.9380, 0.3247, 0.3453

### Protanopia

86.1972, 0.3288, 0.3452

### Deuteranopia

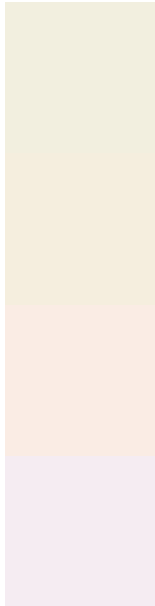
85.8752, 0.3290, 0.3320



## Tritanopia

86.1013, 0.3089, 0.3113

# Trichromacy



## Original Color

85.9380, 0.3247, 0.3453

## Protanomaly

85.8355, 0.3274, 0.3452

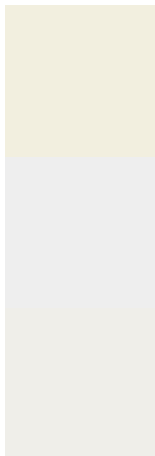
## Deuteranomaly

85.9163, 0.3272, 0.3370

## Tritanomaly

85.8142, 0.3150, 0.3230

# Monochromacy



## Original Color

85.9380, 0.3247, 0.3453

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.3830, 0.3165, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9380, 0.3247, 0.3453 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, 239, 223)` looks like.

```
.text, #text, p{  
    color:rgb(242, 239, 223)  
}
```

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, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9380, 0.3247, 0.3453 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, 239, 223) }
```

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

```
.border{ border-color:rgb(242, 239, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 239, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(242, 239,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9380, 0.3247, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 239, 223) }
```

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

```
.background{ background-color: rgb(242,  
239, 223) }
```

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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