

# Converting Colors

$Yxy(83.4444, 0.3377, 0.3526)$

Have a look what the booklet for  
Yxy(83.4444, 0.3377, 0.3526)  
contains.

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# Color

**Yxy(83.5052, 0.3372, 0.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8EAD3
RGB	248, 234, 211
RGB Percent	97%, 92%, 83%
CMY	0.0273, 0.0824, 0.1724
CMYK	0.00, 0.06, 0.15, 0.03
HSL	37°, 73%, 90%
HSV	37°, 15%, 97%
XYZ	79.9034, 83.5052, 73.5528
YIQ	235.5640, 15.7270, -4.1850

# Conversions

## Conversions Part 2

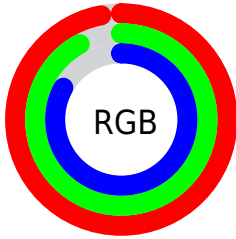
Format	Color
<a href="#">RYB</a>	<a href="#">234, 248, 211</a>
Decimal	<a href="#">16313043</a>
CIELab	<a href="#">93.24, 1.05, 12.85</a>
CIELCh	<a href="#">93, 12.893, 85.311</a>
Yxy	<a href="#">83.5052, 0.3372, 0.3524</a>
Android (android.graphics.Color)	<a href="#">4294503123</a> ( <a href="#">0xFFF8EAD3</a> )
YUV	<a href="#">235.5640, -12.1101, 10.9064</a>
Hunter-Lab	<a href="#">91.3812, -3.8373, 16.2442</a>

# Details

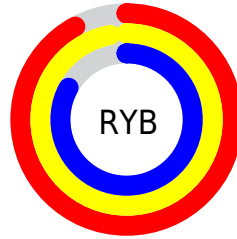
The Yxy color **83.5052, 0.3372, 0.3524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5206, 0.2891, 0.3044**, and the grayscale version is **83.6218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3175, 0.3428, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **77.1421, 0.3559, 0.3689**, and if you desaturate by 10%, it is **90.3523, 0.3203, 0.3365**.

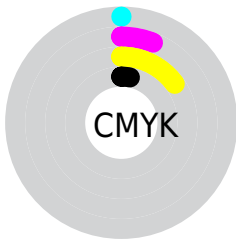
# Distribution



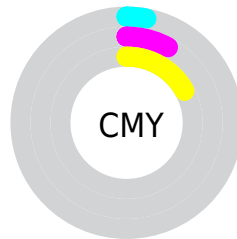
- Red (97%)
- Green (92%)
- Blue (83%)



- Red (92%)
- Yellow (97%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (3%)



- Cyan (3%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5052, 0.3372, 0.3524 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 83.5052, 0.3372, 0.3524 by changing the saturation by 10% instead.



83.5052, 0.3372,  
0.3524

83.5052, 0.3372,  
0.3524

506.6687, 0.3261,  
0.3419

62.6070, 0.3397,  
0.3547

138.2828, 0.3334,  
0.3488

45.5234, 0.3427,  
0.3576

172.9310, 0.3319,  
0.3474

31.8699, 0.3465,  
0.3612

212.9313, 0.3306,  
0.3462

21.2621, 0.3513,  
0.3657

258.6682, 0.3295,  
0.3451

13.3157, 0.3578,  
0.3718

310.5260, 0.3285,  
0.3441

7.6463, 0.3668,  
0.3802

368.8890, 0.3276,

3.8695, 0.3802,

0.3433

0.3926

434.1418, 0.3268,  
0.3425

■ 1.6008, 0.4044,  
0.4150

■ 0.3582, 0.5055,  
0.4945

■ 83.5052, 0.3372,  
0.3524

■ 83.5052, 0.3372,  
0.3524

■ 77.1421, 0.3559,  
0.3689

■ 90.3523, 0.3203,  
0.3365

■ 71.2388, 0.3763,  
0.3855

■ 97.3164, 0.3085,  
0.3269

■ 65.7850, 0.3982,  
0.4016

■ 98.7026, 0.3084,  
0.3290

■ 60.7659, 0.4210,  
0.4162

■ 56.1653, 0.4437,  
0.4282

■ 51.9656, 0.4654,  
0.4364

■ 48.1469, 0.4848,  
0.4396

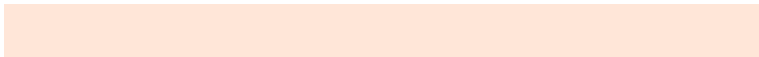
■ 44.6856, 0.5008,  
0.4376

■ 43.0485, 0.5079,  
0.4349

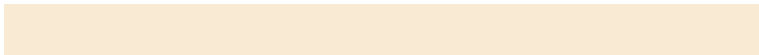
# Harmonies

## Analogous

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



83.5052, 0.3420, 0.3436



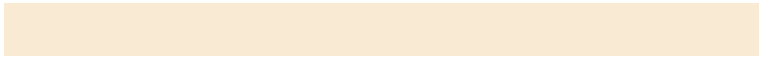
83.5052, 0.3372, 0.3524



83.5052, 0.3258, 0.3551

# Triad

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



83.5052, 0.3372, 0.3524



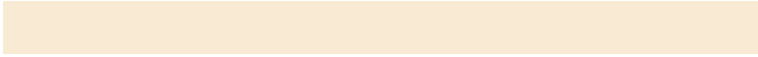
83.5052, 0.2873, 0.3259



83.5052, 0.3139, 0.3089

# Complementary

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



83.5052, 0.3372, 0.3524



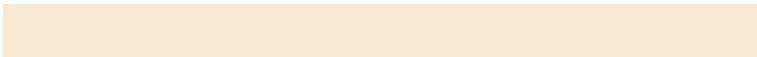
74.5206, 0.2891, 0.3044

# Split Complementary

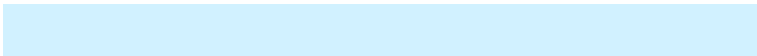
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5052, 0.2993, 0.3041



83.5052, 0.3372, 0.3524



83.5052, 0.2842, 0.3135

# Square

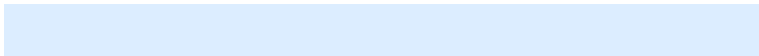
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5052, 0.3372, 0.3524



83.5052, 0.2970, 0.3395



83.5052, 0.2886, 0.3057

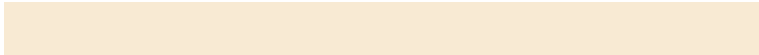


83.5052, 0.3284, 0.3187

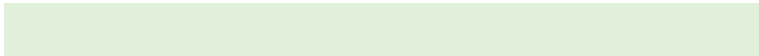


# Rectangle

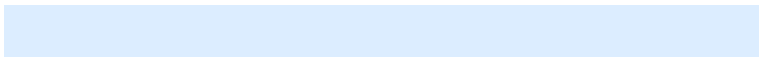
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5052, 0.3372, 0.3524



83.5052, 0.3161, 0.3527



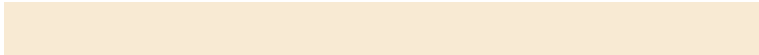
83.5052, 0.2886, 0.3057



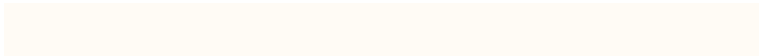
83.5052, 0.3088, 0.3067

# Sweetspot

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



83.5089, 0.3372, 0.3524



96.9159, 0.3189, 0.3351



72.0136, 0.3304, 0.3145



20.6219, 0.3201, 0.3363



0.0000, 0.0000, 0.0000

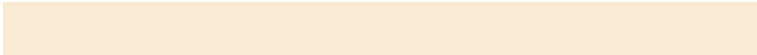


21.4041, 0.3127, 0.3290

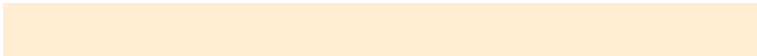


# Same Dimension

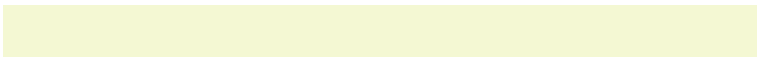
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5089, 0.3372, 0.3524



86.7758, 0.3428, 0.3575



91.0423, 0.3322, 0.3664



19.0195, 0.3278, 0.3437



23.5270, 0.5061, 0.4364



2.3834, 0.4929, 0.4468



# Inverse Universe

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



74.5206, 0.2891, 0.3044



75.4634, 0.2839, 0.2988



67.8820, 0.2915, 0.2894



17.7223, 0.2979, 0.3139



8.2439, 0.1667, 0.1201

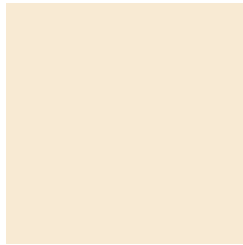


0.9607, 0.1733, 0.1437



# Previews

## White Background



This preview shows how the Yxy color 83.5052, 0.3372, 0.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

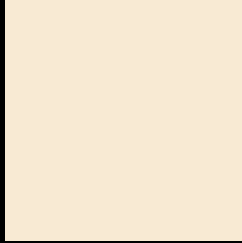
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5052, 0.3372, 0.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

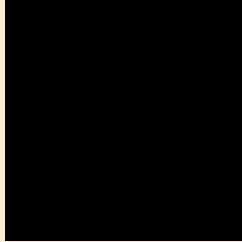
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

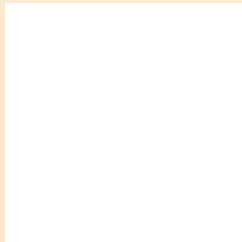
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5052, 0.3372, 0.3524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5052, 0.3372, 0.3524.

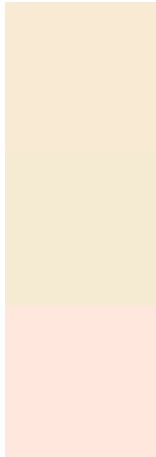


This preview shows how white text looks on a background with the Yxy color 83.5052, 0.3372, 0.3524.

# 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

83.5052, 0.3372, 0.3524

### Protanopia

83.5323, 0.3349, 0.3536

### Deuteranopia

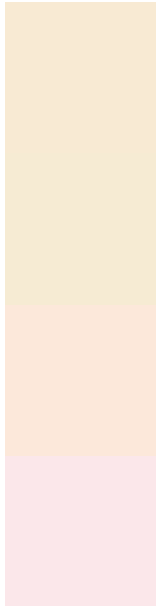
83.6858, 0.3353, 0.3380



## Tritanopia

83.6367, 0.3176, 0.3114

# Trichromacy



## Original Color

83.5052, 0.3372, 0.3524

## Protanomaly

83.7126, 0.3356, 0.3535

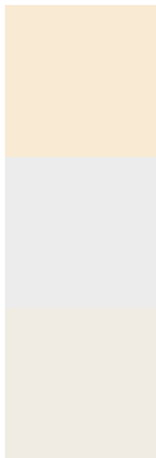
## Deuteranomaly

83.4706, 0.3357, 0.3431

## Tritanomaly

83.6016, 0.3245, 0.3261

# Monochromacy



## Original Color

83.5052, 0.3372, 0.3524

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.4880, 0.3211, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5052, 0.3372, 0.3524 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(248, 234, 211)` looks like.

```
.text, #text, p{  
    color:rgb(248, 234, 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(248, 234, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 234, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5052, 0.3372, 0.3524 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(248, 234, 211) }
```

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

```
.border{ border-color:rgb(248, 234, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 234, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 234, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 234, 211);  
box-shadow:4px 4px 4px 4px rgb(248, 234,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5052, 0.3372, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 234, 211) }
```

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

```
.background{ background-color: rgb(248,  
234, 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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