

Converting Colors

$Yxy(83.5318, 0.3467, 0.3708)$

Have a look what the booklet for
Yxy(83.5318, 0.3467, 0.3708)
contains.

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Color

Yxy(83.7052, 0.3467, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	F7ECC3
RGB	247, 236, 195
RGB Percent	97%, 93%, 76%
CMY	0.0314, 0.0745, 0.2354
CMYK	0.00, 0.04, 0.21, 0.03
HSL	47°, 76%, 87%
HSV	47°, 21%, 97%
XYZ	78.2015, 83.7052, 63.6529
YIQ	234.6150, 19.7170, -10.4190

Conversions

Conversions Part 2

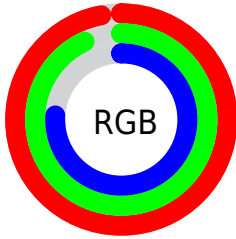
Format	Color
R _Y B	209, 247, 195
Decimal	16248003
CIE Lab	93.32, -2.70, 21.26
CIE LCh	93, 21.426, 97.228
Yxy	83.7052, 0.3467, 0.3711
Android (android.graphics.Color)	4294438083 (0xFFF7ECC3)
YUV	234.6150, -19.5302, 10.8616
Hunter-Lab	91.4905, -7.5356, 22.7934

Details

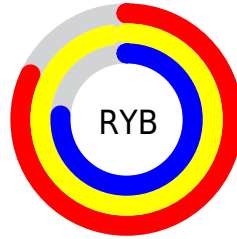
The Yxy color **83.7052, 0.3467, 0.3711** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4451, 0.2781, 0.2831**, and the grayscale version is **82.9111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **45.5128, 0.3541, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **79.7207, 0.3644, 0.3917**, and if you desaturate by 10%, it is **87.9698, 0.3299, 0.3507**.

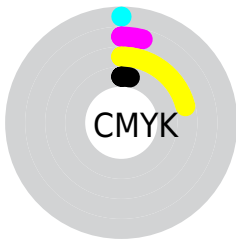
Distribution



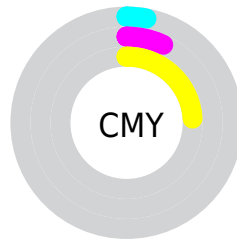
- Red (97%)
- Green (93%)
- Blue (76%)



- Red (82%)
- Yellow (97%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (3%)





- Cyan (3%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7052, 0.3467, 0.3711 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 83.7052, 0.3467, 0.3711 by changing the saturation by 10% instead.


 83.7052, 0.3467,
0.3711

 83.7052, 0.3467,
0.3711


507.3338, 0.3315,
0.3520

 62.7721, 0.3501,
0.3753


138.5627, 0.3415,
0.3646

 45.6568, 0.3541,
0.3805

173.2559, 0.3395,
0.3620

 31.9751, 0.3592,
0.3870


213.3046, 0.3377,
0.3598

 21.3425, 0.3656,
0.3952

259.0931, 0.3361,
0.3579

 13.3746, 0.3740,
0.4062

311.0059, 0.3348,
0.3561

 7.6870, 0.3853,
0.4212

369.4273, 0.3335,

 3.8953, 0.4012,

0.3546

0.4429

434.7418, 0.3324,
0.3533

■ 1.6152, 0.4534,
0.5089

■ 0.3678, 0.4355,
0.5645

■ 83.7052, 0.3467,
0.3711

■ 83.7052, 0.3467,
0.3711

■ 79.7207, 0.3644,
0.3917

■ 87.9698, 0.3299,
0.3507

■ 75.9952, 0.3825,
0.4118

■ 92.5126, 0.3143,
0.3310

■ 72.5220, 0.4005,
0.4304

■ 96.4053, 0.3079,
0.3258

■ 69.2895, 0.4177,
0.4465

■ 98.5141, 0.3078,
0.3290

■ 66.2847, 0.4332,
0.4592

■ 63.4931, 0.4463,
0.4674

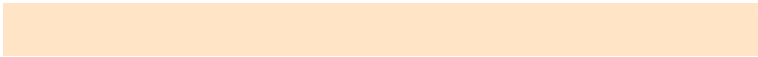
■ 60.8971, 0.4564,
0.4708

■ 58.7177, 0.4633,
0.4704

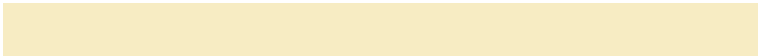
Harmonies

Analogous

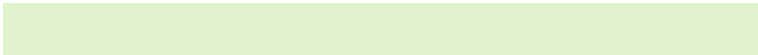
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7052, 0.3599, 0.3594



83.7052, 0.3467, 0.3711



83.7052, 0.3246, 0.3713

Triad

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



83.7052, 0.3467, 0.3711



83.7052, 0.2676, 0.3144



83.7052, 0.3244, 0.3017

Complementary

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



83.7052, 0.3467, 0.3711



62.4451, 0.2781, 0.2831

Split Complementary

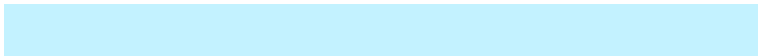
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7052, 0.2995, 0.2904



83.7052, 0.3467, 0.3711



83.7052, 0.2674, 0.2968

Square

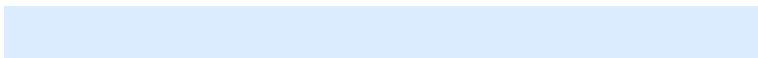
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7052, 0.3467, 0.3711



83.7052, 0.2792, 0.3374



83.7052, 0.2789, 0.2884



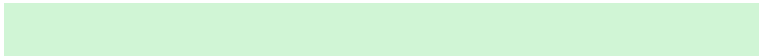
83.7052, 0.3469, 0.3197

Rectangle

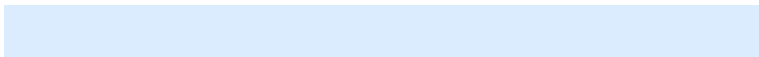
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7052, 0.3467, 0.3711



83.7052, 0.3080, 0.3642



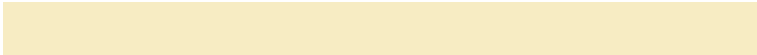
83.7052, 0.2789, 0.2884



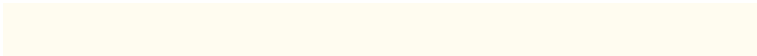
83.7052, 0.3160, 0.2971

Sweetspot

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



83.7089, 0.3467, 0.3711



97.0080, 0.3219, 0.3407



63.2648, 0.3462, 0.3172



20.6954, 0.3229, 0.3419



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.



83.7089, 0.3467, 0.3711



88.2569, 0.3536, 0.3793



87.6603, 0.3345, 0.3834



18.6843, 0.3274, 0.3475



31.2678, 0.4624, 0.4711



2.8933, 0.4559, 0.4762

Inverse Universe

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



62.4451, 0.2781, 0.2831



61.8580, 0.2709, 0.2731



59.3981, 0.2876, 0.2720



16.4941, 0.2979, 0.3098



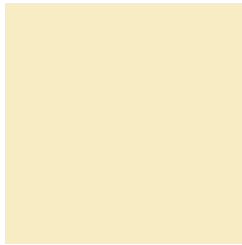
5.0247, 0.1560, 0.0815



0.5847, 0.1621, 0.1034

Previews

White Background



This preview shows how the Yxy color 83.7052, 0.3467, 0.3711 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 83.7052, 0.3467, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

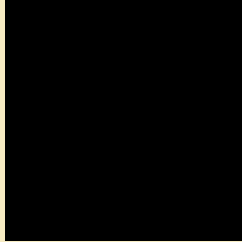
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7052, 0.3467, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 83.7052, 0.3467, 0.3711.



This preview shows how white text looks on a background with the Yxy color 83.7052, 0.3467, 0.3711.

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

83.7052, 0.3467, 0.3711

Protanopia

83.4965, 0.3483, 0.3699

Deuteranopia

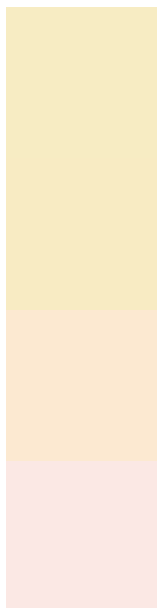
83.4216, 0.3386, 0.3431



Tritanopia

83.8249, 0.3183, 0.3114

Trichromacy



Original Color

83.7052, 0.3467, 0.3711

Protanomaly

83.3133, 0.3476, 0.3700

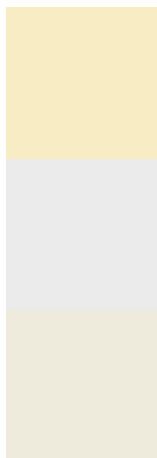
Deuteranomaly

83.5767, 0.3415, 0.3533

Tritanomaly

83.8239, 0.3284, 0.3330

Monochromacy



Original Color

83.7052, 0.3467, 0.3711

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9347, 0.3249, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7052, 0.3467, 0.3711 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(247, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(247, 236, 195)  
}
```

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(247, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 236, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.7052, 0.3467, 0.3711 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(247, 236, 195) }
```

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

```
.border{ border-color:rgb(247, 236, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 236, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 236, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 236, 195); box-shadow:4px 4px 4px 4px rgb(247, 236, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7052, 0.3467, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 236, 195) }
```

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

```
.background{ background-color: rgb(247,  
236, 195) }
```

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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