

Converting Colors

Yxy(83.8881, 0.3493, 0.3620)

Have a look what the booklet for
Yxy(83.8881, 0.3493, 0.3620)
contains.

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Color

Yxy(83.7549, 0.3490, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9C9
RGB	255, 233, 201
RGB Percent	100%, 91%, 79%
CMY	0.0002, 0.0862, 0.2118
CMYK	0.00, 0.09, 0.21, 0.00
HSL	36°, 100%, 89%
HSV	36°, 21%, 100%
XYZ	80.9036, 83.7549, 67.1569
YIQ	235.9300, 23.3840, -5.2880

Conversions

Conversions Part 2

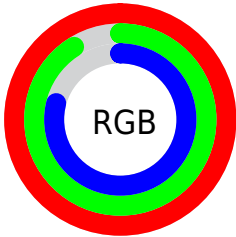
Format	Color
R _Y B	238, 255, 201
Decimal	16771529
CIE Lab	93.34, 2.55, 18.28
CIE LCh	93, 18.456, 82.071
Yxy	83.7549, 0.3490, 0.3613
Android (android.graphics.Color)	4294961609 (0xFFFFE9C9)
YUV	235.9300, -17.2205, 16.7244
Hunter-Lab	91.5177, -2.3582, 20.5546

Details

The Yxy color **83.7549, 0.3490, 0.3613** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.3572, 0.2787, 0.2944**, and the grayscale version is **83.9421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5566, 0.3574, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **76.9641, 0.3692, 0.3773**, and if you desaturate by 10%, it is **91.0964, 0.3308, 0.3456**.

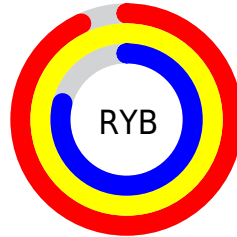
Distribution



Red (100%)

Green (91%)

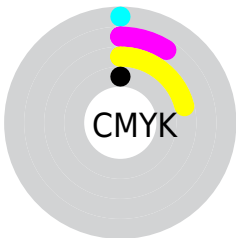
Blue (79%)



Red (93%)

Yellow (100%)

Blue (79%)

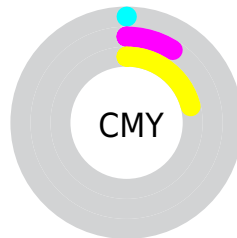


Cyan (0%)

Magenta (9%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7549, 0.3490, 0.3613 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 83.7549, 0.3490, 0.3613 by changing the saturation by 10% instead.


 83.7549, 0.3490,
0.3613

 83.7549, 0.3490,
0.3613


507.4990, 0.3326,
0.3468

 62.8131, 0.3526,
0.3645


138.6323, 0.3434,
0.3564

 45.6900, 0.3571,
0.3683


173.3366, 0.3412,
0.3544

 32.0013, 0.3626,
0.3731


213.3973, 0.3393,
0.3528

 21.3625, 0.3697,
0.3792

259.1986, 0.3376,
0.3513

 13.3892, 0.3792,
0.3872

311.1251, 0.3361,
0.3500

 7.6971, 0.3921,
0.3981

369.5610, 0.3348,

 3.9018, 0.4110,

0.3488

0.4135

434.8909, 0.3337,
0.3478

■ 1.6188, 0.4559,
0.4518

■ 0.3702, 0.5279,
0.4721

■ 83.7549, 0.3490,
0.3613

■ 83.7549, 0.3490,
0.3613

■ 76.9641, 0.3692,
0.3773

■ 91.0964, 0.3308,
0.3456

■ 70.6970, 0.3912,
0.3931

■ 98.9922, 0.3145,
0.3307

■ 64.9408, 0.4145,
0.4078

■ 99.9880, 0.3127,
0.3290

■ 59.6776, 0.4384,
0.4204

■ 54.8879, 0.4618,
0.4295

■ 50.5502, 0.4835,
0.4341

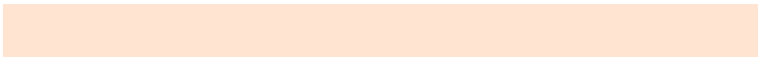
■ 46.6396, 0.5021,
0.4334

■ 43.5075, 0.5158,
0.4287

Harmonies

Analogous

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



83.7549, 0.3549, 0.3477



83.7549, 0.3490, 0.3613



83.7549, 0.3333, 0.3666

Triad

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



83.7549, 0.3490, 0.3613



83.7549, 0.2776, 0.3264



83.7549, 0.3119, 0.2995

Complementary

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



83.7549, 0.3490, 0.3613



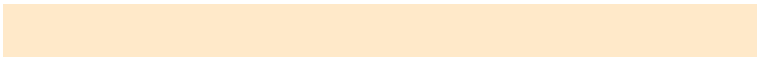
72.3572, 0.2787, 0.2944

Split Complementary

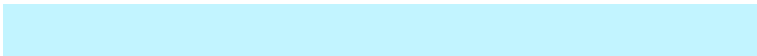
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7549, 0.2916, 0.2936



83.7549, 0.3490, 0.3613



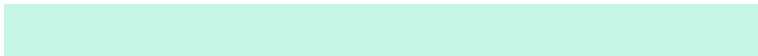
83.7549, 0.2723, 0.3082

Square

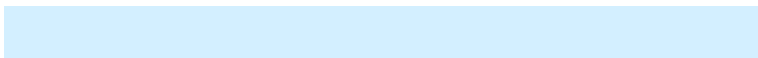
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7549, 0.3490, 0.3613



83.7549, 0.2921, 0.3461



83.7549, 0.2773, 0.2965



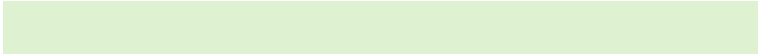
83.7549, 0.3330, 0.3126

Rectangle

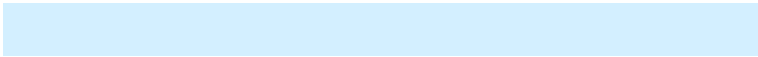
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7549, 0.3490, 0.3613



83.7549, 0.3196, 0.3642



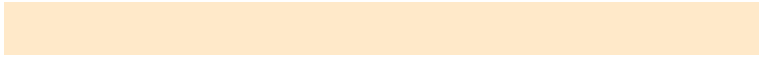
83.7549, 0.2773, 0.2965



83.7549, 0.3047, 0.2966

Sweetspot

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



83.7587, 0.3490, 0.3613



95.1524, 0.3221, 0.3378



68.3726, 0.3382, 0.3063



20.2562, 0.3232, 0.3388



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.



83.7587, 0.3490, 0.3613



81.1306, 0.3565, 0.3674



96.1022, 0.3418, 0.3825



19.7807, 0.3279, 0.3431



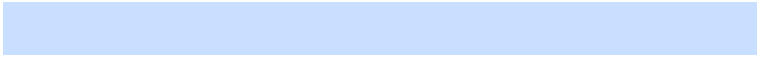
23.0471, 0.5137, 0.4303



2.4587, 0.5000, 0.4412

Inverse Universe

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



72.3572, 0.2787, 0.2944



68.0281, 0.2721, 0.2873



62.0364, 0.2800, 0.2704



18.5890, 0.2979, 0.3145



9.1757, 0.1688, 0.1277



1.1014, 0.1750, 0.1500

Previews

White Background



This preview shows how the Yxy color 83.7549, 0.3490, 0.3613 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 83.7549, 0.3490, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

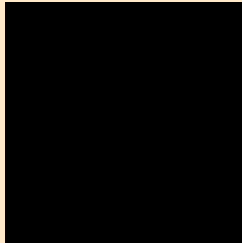
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7549, 0.3490, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 83.7549, 0.3490, 0.3613.



This preview shows how white text looks on a background with the Yxy color 83.7549, 0.3490, 0.3613.

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

83.7549, 0.3490, 0.3613

Protanopia

83.6374, 0.3430, 0.3627

Deuteranopia

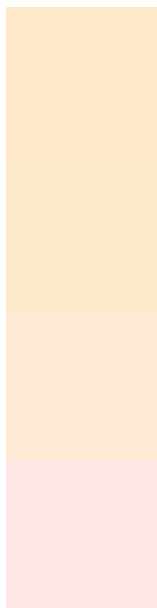
83.5263, 0.3373, 0.3410



Tritanopia

83.7697, 0.3216, 0.3153

Trichromacy



Original Color

83.7549, 0.3490, 0.3613

Protanomaly

83.6191, 0.3453, 0.3615

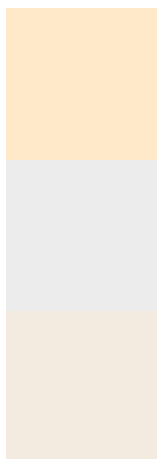
Deuteranomaly

83.7267, 0.3418, 0.3491

Tritanomaly

83.4551, 0.3314, 0.3310

Monochromacy



Original Color

83.7549, 0.3490, 0.3613

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.7991, 0.3257, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7549, 0.3490, 0.3613 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(255, 233, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 201)  
}
```

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(255, 233, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 201) }
```

Border

The CSS property to change the border of an element to Yxy 83.7549, 0.3490, 0.3613 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(255, 233, 201) }
```

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

```
.border{ border-color:rgb(255, 233, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7549, 0.3490, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 201) }
```

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

```
.background{ background-color: rgb(255,  
233, 201) }
```

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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