

Converting Colors

$Y_{xy}(84.5898, 0.3513, 0.3671)$

Have a look what the booklet for
Yxy(84.5898, 0.3513, 0.3671)
contains.

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Color

Yxy(84.7079, 0.3513, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB5C
RGB	255, 235, 197
RGB Percent	100%, 92%, 77%
CMY	0.0001, 0.0784, 0.2275
CMYK	0.00, 0.08, 0.23, 0.00
HSL	39°, 100%, 89%
HSV	39°, 23%, 100%
XYZ	81.0179, 84.7079, 64.8974
YIQ	236.6480, 24.1180, -7.5780

Conversions

Conversions Part 2

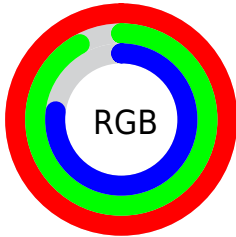
Format	Color
R _Y B	228, 255, 197
Decimal	16772037
CIE Lab	93.76, 0.99, 20.92
CIE LCh	94, 20.946, 87.296
Yxy	84.7079, 0.3513, 0.3673
Android (android.graphics.Color)	4294962117 (0xFFFFEBC5)
YUV	236.6480, -19.5465, 16.0947
Hunter-Lab	92.0369, -3.9352, 22.6191

Details

The Yxy color **84.7079, 0.3513, 0.3673** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.6866, 0.2757, 0.2875**, and the grayscale version is **84.5421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **46.2291, 0.3602, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **78.7376, 0.3709, 0.3848**, and if you desaturate by 10%, it is **91.1315, 0.3333, 0.3500**.

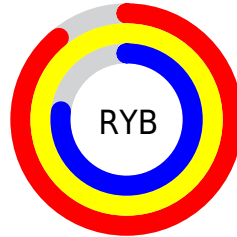
Distribution



Red (100%)

Green (92%)

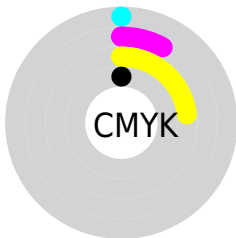
Blue (77%)



Red (89%)

Yellow (100%)

Blue (77%)

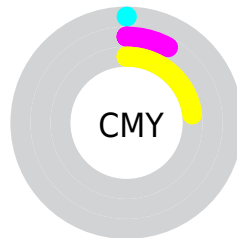


Cyan (0%)

Magenta (8%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7079, 0.3513, 0.3673 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 84.7079, 0.3513, 0.3673 by changing the saturation by 10% instead.


 84.7079, 0.3513,
0.3673

 84.7079, 0.3513,
0.3673

510.6610, 0.3340,
0.3501

 63.6001, 0.3551,
0.3711


139.9650, 0.3454,
0.3615

 46.3268, 0.3598,
0.3757


174.8830, 0.3431,
0.3592

 32.5038, 0.3656,
0.3813


215.1733, 0.3410,
0.3572

 21.7466, 0.3730,
0.3886

261.2201, 0.3393,
0.3554

 13.6708, 0.3827,
0.3980

313.4079, 0.3377,
0.3539

 7.8921, 0.3959,
0.4108

372.1210, 0.3363,

 4.0260, 0.4146,

0.3525

0.4288

437.7439, 0.3351,
0.3513

■ 1.6881, 0.4657,
0.4788

■ 0.4159, 0.5021,
0.4979

■ 84.7079, 0.3513,
0.3673

■ 84.7079, 0.3513,
0.3673

■ 78.7376, 0.3709,
0.3848

■ 91.1315, 0.3333,
0.3500

■ 73.1956, 0.3918,
0.4019

■ 98.0096, 0.3169,
0.3334

■ 68.0713, 0.4134,
0.4177

■ 99.9949, 0.3127,
0.3290

■ 63.3492, 0.4350,
0.4311

■ 59.0120, 0.4555,
0.4408

■ 55.0406, 0.4738,
0.4458

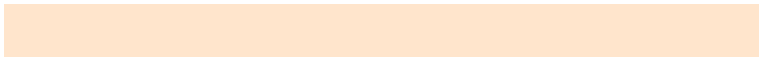
■ 51.4121, 0.4889,
0.4457

■ 48.9705, 0.4980,
0.4427

Harmonies

Analogous

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



84.7079, 0.3602, 0.3531



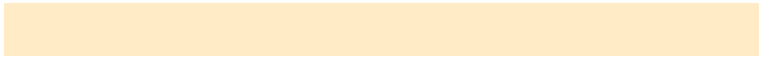
84.7079, 0.3513, 0.3673



84.7079, 0.3320, 0.3715

Triad

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



84.7079, 0.3513, 0.3673



84.7079, 0.2713, 0.3220



84.7079, 0.3160, 0.2979

Complementary

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



84.7079, 0.3513, 0.3673



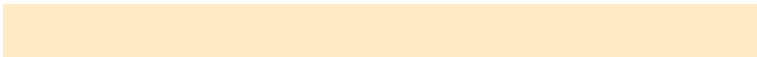
68.6866, 0.2757, 0.2875

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.



84.7079, 0.2924, 0.2897



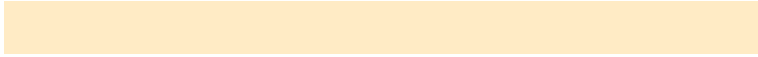
84.7079, 0.3513, 0.3673



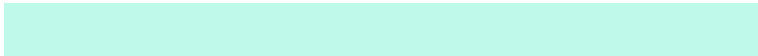
84.7079, 0.2673, 0.3025

Square

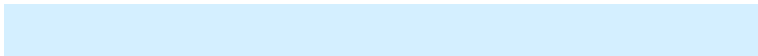
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7079, 0.3513, 0.3673



84.7079, 0.2860, 0.3446



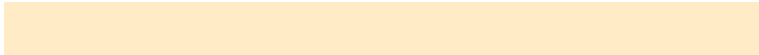
84.7079, 0.2749, 0.2910



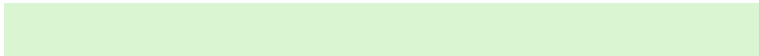
84.7079, 0.3394, 0.3137

Rectangle

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



84.7079, 0.3513, 0.3673



84.7079, 0.3162, 0.3673



84.7079, 0.2749, 0.2910



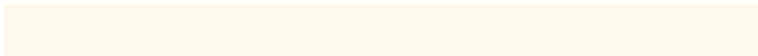
84.7079, 0.3078, 0.2942

Sweetspot

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



84.7117, 0.3513, 0.3673



95.0457, 0.3237, 0.3404



66.2082, 0.3435, 0.3084



20.2545, 0.3246, 0.3414



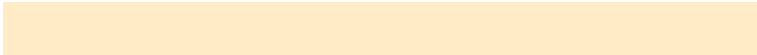
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

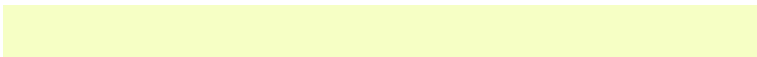
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7117, 0.3513, 0.3673



82.1328, 0.3595, 0.3748



95.1763, 0.3414, 0.3871



19.9762, 0.3278, 0.3445



25.8835, 0.4964, 0.4440



2.7240, 0.4853, 0.4528

Inverse Universe

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



68.6866, 0.2757, 0.2875



63.6959, 0.2682, 0.2785



60.2244, 0.2798, 0.2659



18.3999, 0.2979, 0.3130



7.6488, 0.1640, 0.1103



0.9389, 0.1702, 0.1327

Previews

White Background



This preview shows how the Yxy color 84.7079, 0.3513, 0.3673 looks on a white background.

Color Contrast Check

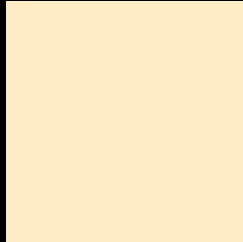
Large Text (above 18pt) WCAG AA × Fail

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 84.7079, 0.3513, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

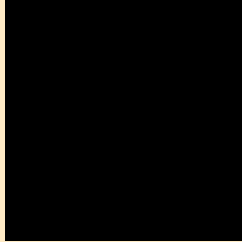
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7079, 0.3513, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 84.7079, 0.3513, 0.3673.

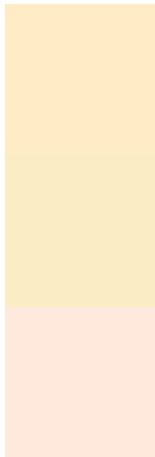


This preview shows how white text looks on a background with the Yxy color 84.7079, 0.3513, 0.3673.

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

84.7079, 0.3513, 0.3673

Protanopia

84.9696, 0.3467, 0.3687

Deuteranopia

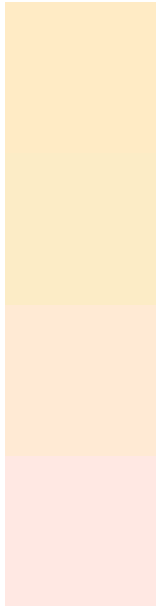
84.7051, 0.3363, 0.3420



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

84.7079, 0.3513, 0.3673

Protanomaly

84.7636, 0.3483, 0.3675

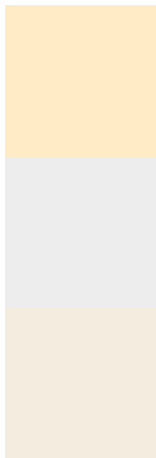
Deuteranomaly

84.8591, 0.3415, 0.3511

Tritanomaly

84.5193, 0.3318, 0.3340

Monochromacy



Original Color

84.7079, 0.3513, 0.3673

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.4979, 0.3270, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7079, 0.3513, 0.3673 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, 235, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 197)  
}
```

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, 235, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 197) }
```

Border

The CSS property to change the border of an element to Yxy 84.7079, 0.3513, 0.3673 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, 235, 197) }
```

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

```
.border{ border-color:rgb(255, 235, 197) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7079, 0.3513, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 197) }
```

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

```
.background{ background-color: rgb(255,  
235, 197) }
```

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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