

# Converting Colors

$Y_{xy}(84.3349, 0.3520, 0.3676)$

Have a look what the booklet for  
Yxy(84.3349, 0.3520, 0.3676)  
contains.

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# Color

**Yxy(84.0912, 0.3522, 0.3673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAC4
RGB	255, 234, 196
RGB Percent	100%, 92%, 77%
CMY	0.0000, 0.0824, 0.2313
CMYK	0.00, 0.08, 0.23, 0.00
HSL	39°, 100%, 88%
HSV	39°, 23%, 100%
XYZ	80.6341, 84.0912, 64.2188
YIQ	235.9470, 24.7140, -7.3660

# Conversions

## Conversions Part 2

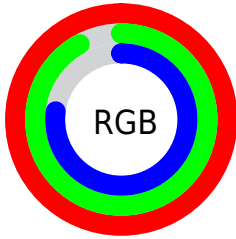
Format	Color
R <sub>Y</sub> B	229, 255, 196
Decimal	16771780
CIE Lab	93.49, 1.39, 21.05
CIE LCh	93, 21.097, 86.224
Yxy	84.0912, 0.3522, 0.3673
Android (android.graphics.Color)	4294961860 (0xFFFFEAC4)
YUV	235.9470, -19.6939, 16.7095
Hunter-Lab	91.7013, -3.5198, 22.6698

# Details

The Yxy color **84.0912, 0.3522, 0.3673** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.5979, 0.2751, 0.2875**, and the grayscale version is **83.9777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **45.7996, 0.3614, 0.3754** is the 20% darker color. If you saturate the color by 10%, you get **77.9878, 0.3720, 0.3845**, and if you desaturate by 10%, it is **90.6567, 0.3340, 0.3503**.

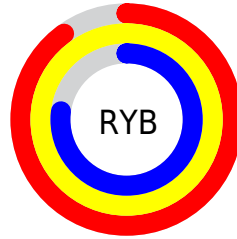
# Distribution



Red (100%)

Green (92%)

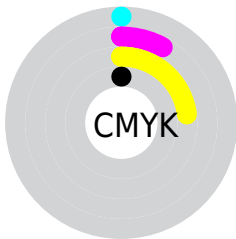
Blue (77%)



Red (90%)

Yellow (100%)

Blue (77%)

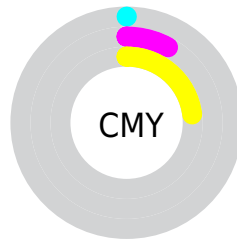


Cyan (0%)

Magenta (8%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0912, 0.3522, 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 84.0912, 0.3522, 0.3673 by changing the saturation by 10% instead.




 84.0912, 0.3522,  
0.3673

 84.0912, 0.3522,  
0.3673

508.6160, 0.3344,  
0.3501

 63.0907, 0.3561,  
0.3711


139.1027, 0.3461,  
0.3615

 45.9146, 0.3609,  
0.3757


173.8826, 0.3437,  
0.3592

 32.1784, 0.3669,  
0.3813


214.0244, 0.3417,  
0.3572

 21.4978, 0.3745,  
0.3886

259.9125, 0.3399,  
0.3554

 13.4884, 0.3845,  
0.3980

311.9313, 0.3383,  
0.3539

 7.7657, 0.3981,  
0.4107

370.4653, 0.3368,

 3.9454, 0.4175,

0.3525

0.4287

435.8987, 0.3356,  
0.3513

■ 1.6431, 0.4730,  
0.4817

■ 0.3864, 0.5094,  
0.4906

■ 84.0912, 0.3522,  
0.3673

■ 84.0912, 0.3522,  
0.3673

■ 77.9878, 0.3720,  
0.3845

■ 90.6567, 0.3340,  
0.3503

■ 72.3330, 0.3932,  
0.4014

■ 97.6979, 0.3175,  
0.3339

■ 67.1118, 0.4152,  
0.4168

100.0000, 0.3127,  
0.3290

■ 62.3082, 0.4372,  
0.4298

■ 57.9045, 0.4581,  
0.4391

■ 53.8809, 0.4769,  
0.4438

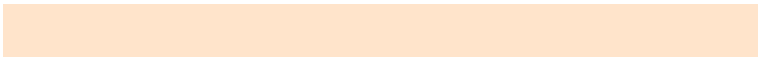
■ 50.2140, 0.4924,  
0.4431

■ 47.8797, 0.5014,  
0.4401

# Harmonies

## Analogous

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



84.0912, 0.3608, 0.3526



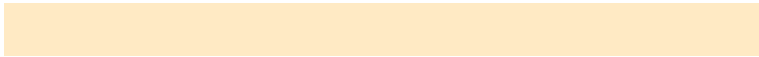
84.0912, 0.3522, 0.3673



84.0912, 0.3330, 0.3720

# Triad

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



84.0912, 0.3522, 0.3673



84.0912, 0.2713, 0.3227



84.0912, 0.3151, 0.2972

# Complementary

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



84.0912, 0.3522, 0.3673



68.5979, 0.2751, 0.2875

# Split Complementary

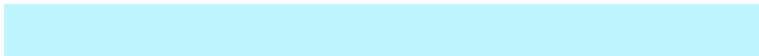
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0912, 0.2915, 0.2892



84.0912, 0.3522, 0.3673



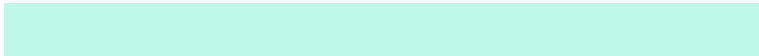
84.0912, 0.2669, 0.3028

# Square

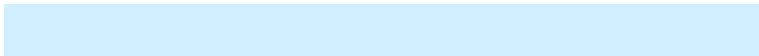
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0912, 0.3522, 0.3673



84.0912, 0.2864, 0.3456



84.0912, 0.2741, 0.2909



84.0912, 0.3389, 0.3128

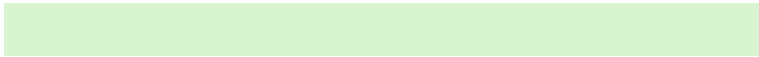


# Rectangle

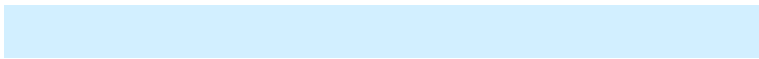
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0912, 0.3522, 0.3673



84.0912, 0.3171, 0.3681



84.0912, 0.2741, 0.2909



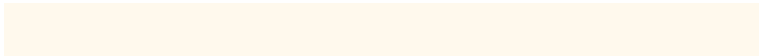
84.0912, 0.3069, 0.2935

# Sweetspot

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



84.0911, 0.3522, 0.3673



94.9143, 0.3237, 0.3402



65.7941, 0.3434, 0.3070



20.2241, 0.3247, 0.3411



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.



84.0911, 0.3522, 0.3673



81.0606, 0.3617, 0.3757



95.3056, 0.3425, 0.3880



19.9385, 0.3278, 0.3443



25.3105, 0.4997, 0.4414



2.6708, 0.4881, 0.4506



# Inverse Universe

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



68.5979, 0.2751, 0.2875



62.9748, 0.2666, 0.2773



59.5319, 0.2785, 0.2646



18.4362, 0.2979, 0.3133



7.9197, 0.1649, 0.1135



0.9683, 0.1711, 0.1359



# Previews

## White Background



This preview shows how the Yxy color 84.0912, 0.3522, 0.3673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

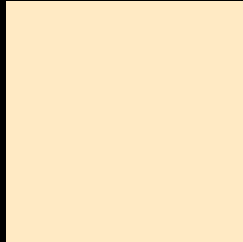
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0912, 0.3522, 0.3673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

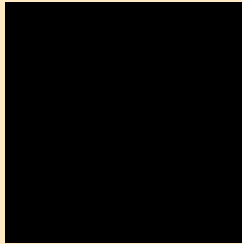
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.0912, 0.3522, 0.3673**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0912, 0.3522, 0.3673.



This preview shows how white text looks on a background with the Yxy color 84.0912, 0.3522, 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

84.0912, 0.3522, 0.3673

### Protanopia

84.1619, 0.3468, 0.3688

### Deuteranopia

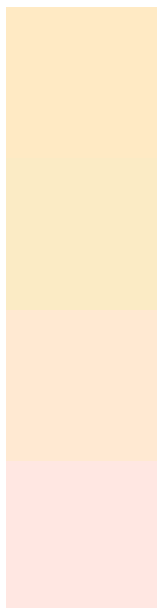
84.0352, 0.3378, 0.3430



## Tritanopia

84.3247, 0.3215, 0.3163

# Trichromacy



## Original Color

84.0912, 0.3522, 0.3673

## Protanomaly

83.9571, 0.3484, 0.3676

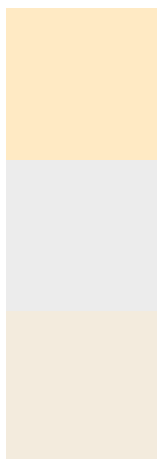
## Deuteranomaly

84.1910, 0.3430, 0.3521

## Tritanomaly

83.9028, 0.3326, 0.3340

# Monochromacy



## Original Color

84.0912, 0.3522, 0.3673

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.6918, 0.3270, 0.3433

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0912, 0.3522, 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, 234, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 196)  
}
```

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, 234, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0912, 0.3522, 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, 234, 196) }
```

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

```
.border{ border-color:rgb(255, 234, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0912, 0.3522, 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, 234, 196) }
```

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

```
.background{ background-color: rgb(255,  
234, 196) }
```

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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