

Converting Colors

$Y_{xy}(100.0000, 0.3773, 0.3643)$

Have a look what the booklet for
Yxy(100.0000, 0.3773, 0.3643)
contains.

Yxy(90.3210, 0.3450, 0.3688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.3210, 0.3450, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4CC
RGB	255, 244, 204
RGB Percent	100%, 96%, 80%
CMY	0.0000, 0.0431, 0.2001
CMYK	0.00, 0.04, 0.20, 0.00
HSL	47°, 100%, 90%
HSV	47°, 20%, 100%
XYZ	84.4923, 90.3210, 70.0918
YIQ	242.7290, 19.3960, -10.1080

Conversions

Conversions Part 2

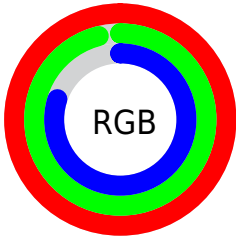
Format	Color
R _Y B	218, 255, 204
Decimal	16774348
CIE Lab	96.13, -2.56, 20.64
CIE LCh	96, 20.795, 97.062
Yxy	90.3210, 0.3450, 0.3688
Android (android.graphics.Color)	4294964428 (0xFFFFF4CC)
YUV	242.7290, -19.0934, 10.7617
Hunter-Lab	95.0374, -7.6213, 22.7987

Details

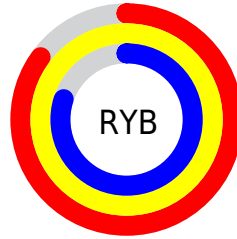
The Yxy color **90.3210, 0.3450, 0.3688** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.6423, 0.2799, 0.2858**, and the grayscale version is **89.5425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1742, 0.3516, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **85.9380, 0.3627, 0.3893**, and if you desaturate by 10%, it is **95.0041, 0.3283, 0.3485**.

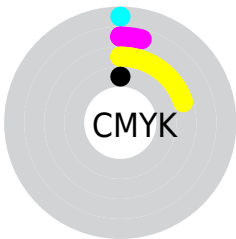
Distribution



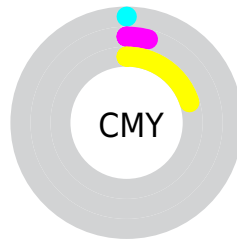
- Red (100%)
- Green (96%)
- Blue (80%)



- Red (85%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3210, 0.3450, 0.3688 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 90.3210, 0.3450, 0.3688 by changing the saturation by 10% instead.


 90.3210, 0.3450,
0.3688

 90.3210, 0.3450,
0.3688

529.0745, 0.3307,
0.3510

 68.2469, 0.3481,
0.3727


147.7842, 0.3402,
0.3628

 50.0986, 0.3519,
0.3774

183.9421, 0.3383,
0.3604

 35.4918, 0.3565,
0.3833


225.5634, 0.3366,
0.3583

 24.0419, 0.3623,
0.3908

273.0325, 0.3351,
0.3565

 15.3647, 0.3699,
0.4006

326.7337, 0.3338,
0.3549

 9.0758, 0.3801,
0.4139

387.0515, 0.3327,

 4.7906, 0.3943,

0.3535

0.4328

454.3703, 0.3316,
0.3522

■ 2.1249, 0.4210,
0.4684

■ 0.6786, 0.4619,
0.5381

■ 90.3210, 0.3450,
0.3688

■ 90.3210, 0.3450,
0.3688

■ 85.9380, 0.3627,
0.3893

■ 95.0041, 0.3283,
0.3485

■ 81.8428, 0.3809,
0.4095

99.9955, 0.3127,
0.3290

■ 78.0246, 0.3991,
0.4282

100.0000, 0.3127,
0.3290

■ 74.4709, 0.4165,
0.4446

■ 71.1679, 0.4324,
0.4576

■ 68.0999, 0.4459,
0.4662

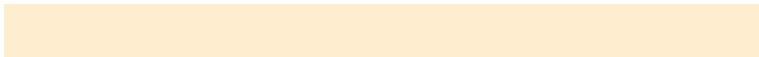
■ 65.2485, 0.4565,
0.4700

■ 62.5860, 0.4644,
0.4695

Harmonies

Analogous

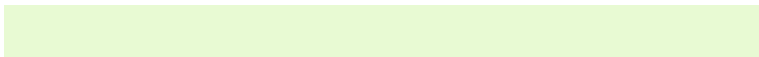
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3210, 0.3574, 0.3577



90.3210, 0.3450, 0.3688



90.3210, 0.3241, 0.3690

Triad

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



90.3210, 0.3450, 0.3688



90.3210, 0.2700, 0.3154



90.3210, 0.3237, 0.3031

Complementary

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



90.3210, 0.3450, 0.3688



68.6423, 0.2799, 0.2858

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.



90.3210, 0.3001, 0.2924



90.3210, 0.3450, 0.3688



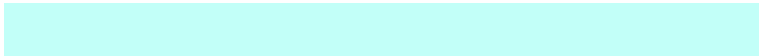
90.3210, 0.2698, 0.2986

Square

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



90.3210, 0.3450, 0.3688



90.3210, 0.2811, 0.3371



90.3210, 0.2806, 0.2906



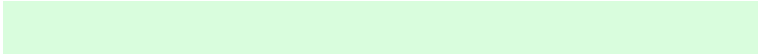
90.3210, 0.3449, 0.3201

Rectangle

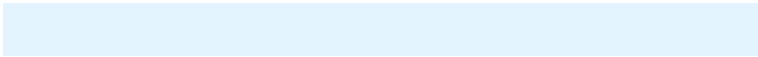
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3210, 0.3450, 0.3688



90.3210, 0.3084, 0.3623



90.3210, 0.2806, 0.2906



90.3210, 0.3157, 0.2986

Sweetspot

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



90.3216, 0.3450, 0.3688



96.9674, 0.3219, 0.3406



69.3430, 0.3442, 0.3178



20.6858, 0.3229, 0.3419



0.0000, 0.0000, 0.0000



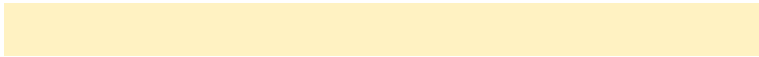
21.4041, 0.3127, 0.3290

Same Dimension

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



90.3216, 0.3450, 0.3688



88.5367, 0.3519, 0.3770



94.4991, 0.3334, 0.3806



20.3871, 0.3275, 0.3475



32.9305, 0.4635, 0.4702



3.3636, 0.4574, 0.4750

Inverse Universe

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



68.6423, 0.2799, 0.2858



63.2841, 0.2727, 0.2759



65.3675, 0.2890, 0.2751



18.0123, 0.2979, 0.3098



5.3739, 0.1561, 0.0820



0.6745, 0.1616, 0.1017

Previews

White Background



This preview shows how the Yxy color 90.3210, 0.3450, 0.3688 looks on a white background.

Color Contrast Check

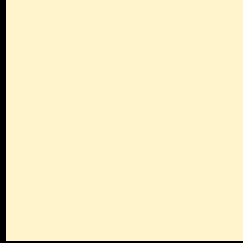
Large Text (above 18pt) WCAG AA × Fail

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 90.3210, 0.3450, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

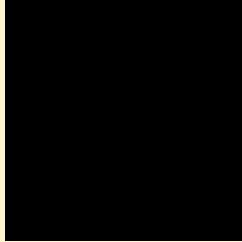
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3210, 0.3450, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 90.3210, 0.3450, 0.3688.

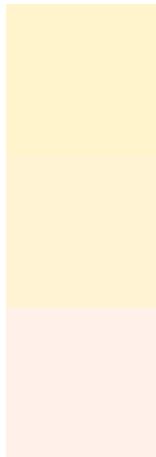


This preview shows how white text looks on a background with the Yxy color 90.3210, 0.3450, 0.3688.

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

90.3210, 0.3450, 0.3688

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

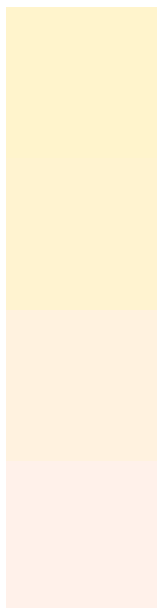
90.1111, 0.3263, 0.3359



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.3210, 0.3450, 0.3688

Protanomaly

89.9153, 0.3426, 0.3638

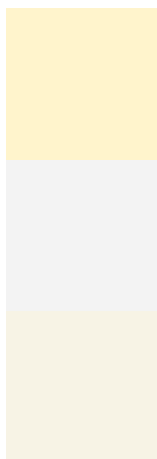
Deuteranomaly

90.0920, 0.3332, 0.3478

Tritanomaly

90.1111, 0.3263, 0.3359

Monochromacy



Original Color

90.3210, 0.3450, 0.3688

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5325, 0.3239, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3210, 0.3450, 0.3688 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, 244, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 204)  
}
```

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, 244, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 204) }
```

Border

The CSS property to change the border of an element to Yxy 90.3210, 0.3450, 0.3688 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, 244, 204) }
```

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

```
.border{ border-color:rgb(255, 244, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3210, 0.3450, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 204) }
```

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

```
.background{ background-color: rgb(255,  
244, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor