

Converting Colors

$Y_{xy}(100.0000, 0.3738, 0.3661)$

Have a look what the booklet for
Yxy(100.0000, 0.3738, 0.3661)
contains.

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Color

Yxy(90.9244, 0.3448, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5CC
RGB	255, 245, 204
RGB Percent	100%, 96%, 80%
CMY	0.0000, 0.0392, 0.1999
CMYK	0.00, 0.04, 0.20, 0.00
HSL	48°, 100%, 90%
HSV	48°, 20%, 100%
XYZ	84.8005, 90.9244, 70.2162
YIQ	243.3160, 19.1210, -10.6310

Conversions

Conversions Part 2

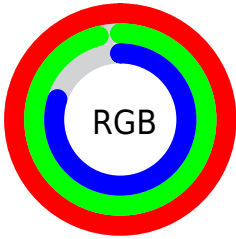
Format	Color
R _Y B	216, 255, 204
Decimal	16774604
CIE Lab	96.38, -3.05, 20.97
CIE LCh	96, 21.185, 98.268
Yxy	90.9244, 0.3448, 0.3697
Android (android.graphics.Color)	4294964684 (0xFFFFF5CC)
YUV	243.3160, -19.3828, 10.2469
Hunter-Lab	95.3543, -8.1264, 23.0885

Details

The Yxy color **90.9244, 0.3448, 0.3697** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **68.1626, 0.2799, 0.2847**, and the grayscale version is **90.0372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6030, 0.3514, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **86.8112, 0.3622, 0.3907**, and if you desaturate by 10%, it is **95.3171, 0.3282, 0.3490**.

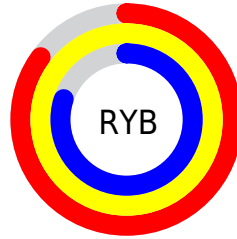
Distribution



Red (100%)

Green (96%)

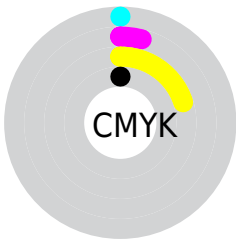
Blue (80%)



Red (85%)

Yellow (100%)

Blue (80%)

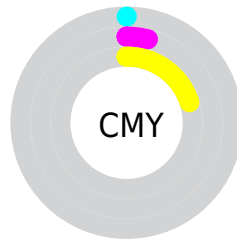


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9244, 0.3448, 0.3697 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 90.9244, 0.3448, 0.3697 by changing the saturation by 10% instead.

 90.9244, 0.3448,
0.3697

 90.9244, 0.3448,
0.3697


531.0333, 0.3306,
0.3515

 68.7476, 0.3479,
0.3737


148.6218, 0.3400,
0.3635

 50.5062, 0.3516,
0.3785


184.9111, 0.3381,
0.3611

 35.8158, 0.3562,
0.3845


226.6734, 0.3365,
0.3590

 24.2919, 0.3619,
0.3922

274.2931, 0.3350,
0.3571

 15.5503, 0.3694,
0.4021

328.1545, 0.3337,
0.3555

 9.2065, 0.3794,
0.4157

388.6421, 0.3326,

 4.8761, 0.3932,

0.3540

0.4351

456.1402, 0.3316,
0.3527

■ 2.1748, 0.4189,
0.4709

■ 0.7062, 0.4580,
0.5420

■ 90.9244, 0.3448,
0.3697

■ 90.9244, 0.3448,
0.3697

■ 86.8112, 0.3622,
0.3907

■ 95.3171, 0.3282,
0.3490

■ 82.9711, 0.3801,
0.4112

100.0000, 0.3127,
0.3290

■ 79.3918, 0.3978,
0.4303

■ 76.0608, 0.4147,
0.4470

■ 72.9646, 0.4299,
0.4602

■ 70.0879, 0.4427,
0.4691

■ 67.4121, 0.4526,
0.4733

■ 64.9080, 0.4597,
0.4732

■ 64.9065, 0.4597,
0.4732

Harmonies

Analogous

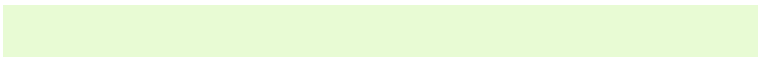
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9244, 0.3579, 0.3588



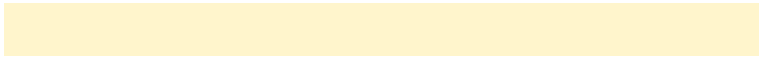
90.9244, 0.3448, 0.3697



90.9244, 0.3233, 0.3694

Triad

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



90.9244, 0.3448, 0.3697



90.9244, 0.2690, 0.3143



90.9244, 0.3248, 0.3033

Complementary

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



90.9244, 0.3448, 0.3697



68.1626, 0.2799, 0.2847

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.



90.9244, 0.3008, 0.2921



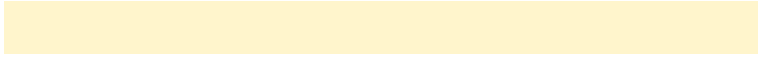
90.9244, 0.3448, 0.3697



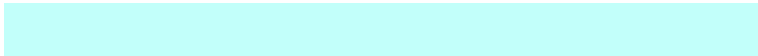
90.9244, 0.2693, 0.2976

Square

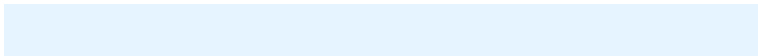
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9244, 0.3448, 0.3697



90.9244, 0.2799, 0.3363



90.9244, 0.2807, 0.2898



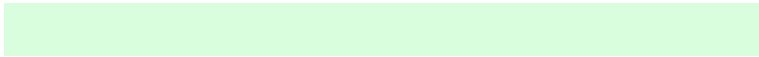
90.9244, 0.3462, 0.3208

Rectangle

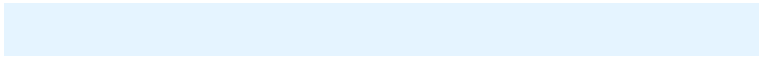
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9244, 0.3448, 0.3697



90.9244, 0.3074, 0.3623



90.9244, 0.2807, 0.2898



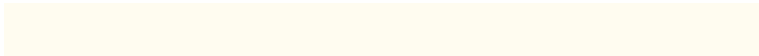
90.9244, 0.3167, 0.2987

Sweetspot

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



90.9230, 0.3448, 0.3697



97.1530, 0.3219, 0.3409



69.3192, 0.3448, 0.3187



20.7298, 0.3229, 0.3422



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

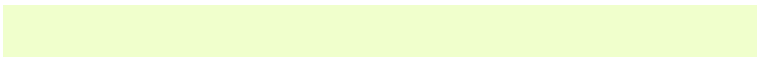
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9230, 0.3448, 0.3697



89.2424, 0.3517, 0.3781



94.3540, 0.3328, 0.3807



20.4494, 0.3274, 0.3480



34.1292, 0.4589, 0.4738



3.4704, 0.4536, 0.4781

Inverse Universe

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



68.1626, 0.2799, 0.2847



62.7132, 0.2726, 0.2746



65.5217, 0.2896, 0.2752



17.9546, 0.2979, 0.3093



5.1287, 0.1552, 0.0787



0.6428, 0.1605, 0.0977

Previews

White Background



This preview shows how the Yxy color 90.9244, 0.3448, 0.3697 looks on a white background.

Color Contrast Check

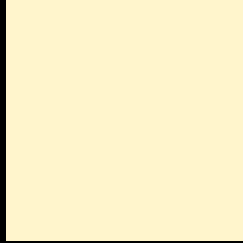
Large Text (above 18pt) WCAG AA × Fail

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 90.9244, 0.3448, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

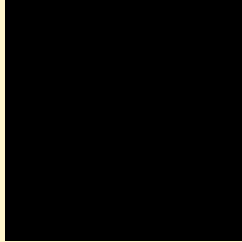
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.9244, 0.3448, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 90.9244, 0.3448, 0.3697.

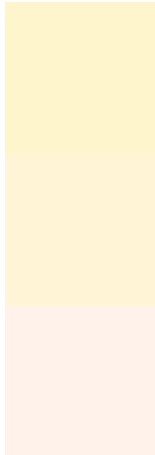


This preview shows how white text looks on a background with the Yxy color 90.9244, 0.3448, 0.3697.

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

90.9244, 0.3448, 0.3697

Protanopia

90.8164, 0.3386, 0.3587

Deuteranopia

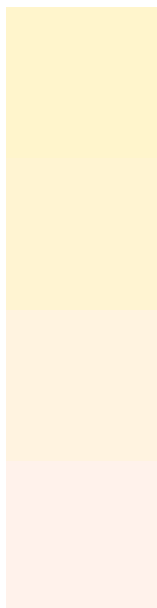
90.7624, 0.3256, 0.3359



Tritanopia

91.1989, 0.3152, 0.3184

Trichromacy



Original Color

90.9244, 0.3448, 0.3697

Protanomaly

90.6145, 0.3412, 0.3627

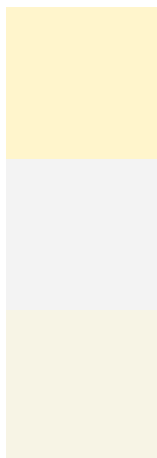
Deuteranomaly

90.7430, 0.3324, 0.3477

Tritanomaly

90.7624, 0.3256, 0.3359

Monochromacy



Original Color

90.9244, 0.3448, 0.3697

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.1327, 0.3238, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9244, 0.3448, 0.3697 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, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 204) }
```

Border

The CSS property to change the border of an element to Yxy 90.9244, 0.3448, 0.3697 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, 245, 204) }
```

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

```
.border{ border-color:rgb(255, 245, 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, 245, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9244, 0.3448, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 204) }
```

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

```
.background{ background-color: rgb(255,  
245, 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](#).

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