

Converting Colors

$Yxy(96.9280, 0.3678, 0.3708)$

Have a look what the booklet for
Yxy(96.9280, 0.3678, 0.3708)
contains.

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Color

Yxy(90.7349, 0.3473, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C8
RGB	255, 245, 200
RGB Percent	100%, 96%, 78%
CMY	0.0002, 0.0391, 0.2158
CMYK	0.00, 0.04, 0.22, 0.00
HSL	49°, 100%, 89%
HSV	49°, 22%, 100%
XYZ	84.3024, 90.7349, 67.6992
YIQ	242.8600, 20.4050, -11.8750

Conversions

Conversions Part 2

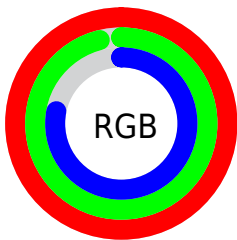
Format	Color
R _Y B	212, 255, 200
Decimal	16774600
CIE Lab	96.30, -3.65, 22.92
CIE LCh	96, 23.210, 99.058
Yxy	90.7349, 0.3473, 0.3738
Android (android.graphics.Color)	4294964680 (0xFFFFF5C8)
YUV	242.8600, -21.1300, 10.6468
Hunter-Lab	95.2549, -8.7201, 24.5400

Details

The Yxy color **90.7349, 0.3473, 0.3738** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.5408, 0.2770, 0.2798**, and the grayscale version is **89.6663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4763, 0.3546, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **86.8926, 0.3646, 0.3951**, and if you desaturate by 10%, it is **94.8535, 0.3307, 0.3526**.

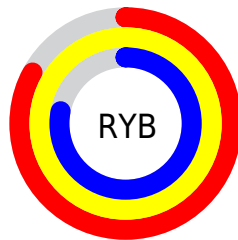
Distribution



Red (100%)

Green (96%)

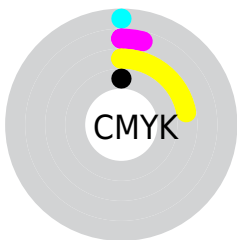
Blue (78%)



Red (83%)

Yellow (100%)

Blue (78%)

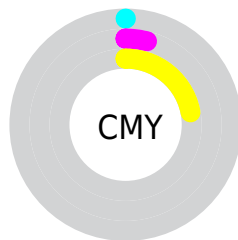


Cyan (0%)

Magenta (4%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7349, 0.3473, 0.3738 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 90.7349, 0.3473, 0.3738 by changing the saturation by 10% instead.

 90.7349, 0.3473,
0.3738

 90.7349, 0.3473,
0.3738


530.4186, 0.3321,
0.3538

 68.5903, 0.3506,
0.3782


148.3588, 0.3422,
0.3670

 50.3781, 0.3546,
0.3835

184.6069, 0.3401,
0.3643

 35.7140, 0.3595,
0.3901


226.3249, 0.3383,
0.3620

 24.2134, 0.3656,
0.3985

273.8974, 0.3368,
0.3599

 15.4920, 0.3735,
0.4095

327.7085, 0.3354,
0.3581

 9.1654, 0.3840,
0.4243

388.1429, 0.3342,

 4.8492, 0.3983,

0.3565

0.4453

455.5847, 0.3331,
0.3551

■ 2.1591, 0.4290,
0.4889

■ 0.6975, 0.4513,
0.5487

■ 90.7349, 0.3473,
0.3738

■ 90.7349, 0.3473,
0.3738

■ 86.8926, 0.3646,
0.3951

■ 94.8535, 0.3307,
0.3526

■ 83.3040, 0.3822,
0.4158

■ 99.2457, 0.3151,
0.3321

■ 79.9620, 0.3995,
0.4348

99.9910, 0.3127,
0.3290

■ 76.8543, 0.4157,
0.4513

■ 73.9672, 0.4300,
0.4641

■ 71.2851, 0.4418,
0.4725

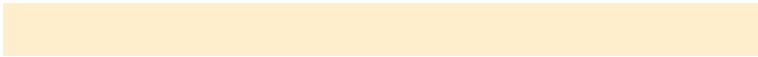
■ 68.7893, 0.4506,
0.4761

■ 66.8045, 0.4561,
0.4761

Harmonies

Analogous

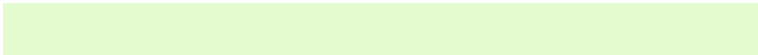
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7349, 0.3620, 0.3620



90.7349, 0.3473, 0.3738



90.7349, 0.3236, 0.3733

Triad

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



90.7349, 0.3473, 0.3738



90.7349, 0.2648, 0.3122



90.7349, 0.3266, 0.3013

Complementary

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



90.7349, 0.3473, 0.3738



65.5408, 0.2770, 0.2798

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.



90.7349, 0.3002, 0.2889



90.7349, 0.3473, 0.3738



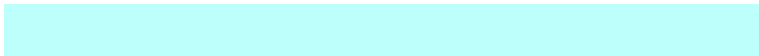
90.7349, 0.2655, 0.2942

Square

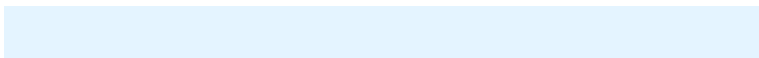
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.7349, 0.3473, 0.3738



90.7349, 0.2764, 0.3363



90.7349, 0.2781, 0.2861



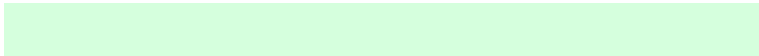
90.7349, 0.3500, 0.3205

Rectangle

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



90.7349, 0.3473, 0.3738



90.7349, 0.3061, 0.3653



90.7349, 0.2781, 0.2861



90.7349, 0.3178, 0.2963

Sweetspot

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



90.7390, 0.3473, 0.3738



97.3029, 0.3218, 0.3411



67.2054, 0.3487, 0.3188



20.7653, 0.3229, 0.3424



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

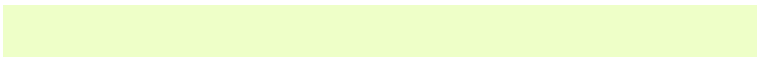
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7390, 0.3473, 0.3738



89.0372, 0.3549, 0.3833



93.7572, 0.3338, 0.3851



20.4998, 0.3274, 0.3483



35.1235, 0.4554, 0.4766



3.5587, 0.4505, 0.4805

Inverse Universe

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



65.5408, 0.2770, 0.2798



59.6224, 0.2688, 0.2681



63.3263, 0.2881, 0.2706



17.9082, 0.2979, 0.3089



4.9480, 0.1545, 0.0763



0.6187, 0.1596, 0.0946

Previews

White Background



This preview shows how the Yxy color 90.7349, 0.3473, 0.3738 looks on a white background.

Color Contrast Check

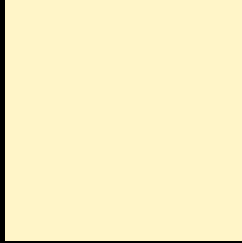
Large Text (above 18pt) WCAG AA × Fail

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 90.7349, 0.3473, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

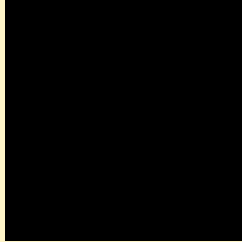
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7349, 0.3473, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 90.7349, 0.3473, 0.3738.

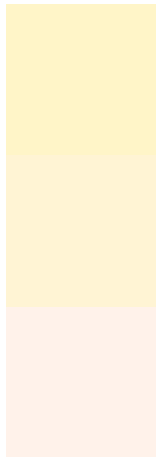


This preview shows how white text looks on a background with the Yxy color 90.7349, 0.3473, 0.3738.

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

90.7349, 0.3473, 0.3738

Protanopia

90.7148, 0.3399, 0.3607

Deuteranopia

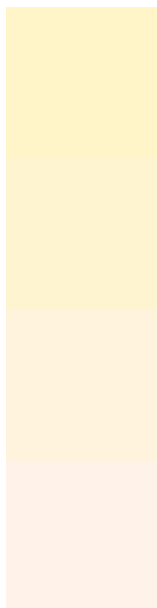
90.7048, 0.3262, 0.3369



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.7349, 0.3473, 0.3738

Protanomaly

90.5154, 0.3424, 0.3647

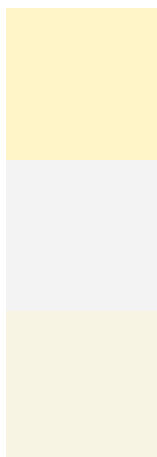
Deuteranomaly

90.6351, 0.3337, 0.3497

Tritanomaly

90.5905, 0.3275, 0.3388

Monochromacy



Original Color

90.7349, 0.3473, 0.3738

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.0216, 0.3250, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7349, 0.3473, 0.3738 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 200) }
```

Border

The CSS property to change the border of an element to Yxy 90.7349, 0.3473, 0.3738 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, 200) }
```

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

```
.border{ border-color:rgb(255, 245, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
200) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.7349, 0.3473, 0.3738$ 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
245, 200) }
```

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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