

Converting Colors

$Yxy(90.7647, 0.3401, 0.3612)$

Have a look what the booklet for
Yxy(90.7647, 0.3401, 0.3612)
contains.

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Color

Yxy(90.7148, 0.3399, 0.3607)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4D4
RGB	255, 244, 212
RGB Percent	100%, 96%, 83%
CMY	0.0000, 0.0432, 0.1686
CMYK	0.00, 0.04, 0.17, 0.00
HSL	45°, 100%, 92%
HSV	45°, 17%, 100%
XYZ	85.4837, 90.7148, 75.2981
YIQ	243.6410, 16.8280, -7.6200

Conversions

Conversions Part 2

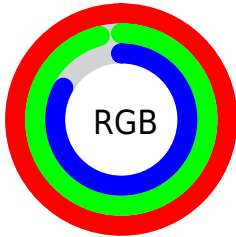
Format	Color
RYB	227, 255, 212
Decimal	16774356
CIELab	96.29, -1.38, 16.74
CIELCh	96, 16.802, 94.728
Yxy	90.7148, 0.3399, 0.3607
Android (android.graphics.Color)	4294964436 (0xFFFFF4D4)
YUV	243.6410, -15.5990, 9.9618
Hunter-Lab	95.2443, -6.4702, 19.7977

Details

The Yxy color **90.7148, 0.3399, 0.3607** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.0027, 0.2856, 0.2952**, and the grayscale version is **90.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4065, 0.3459, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **85.6668, 0.3577, 0.3803**, and if you desaturate by 10%, it is **96.1013, 0.3233, 0.3416**.

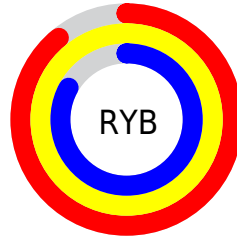
Distribution



Red (100%)

Green (96%)

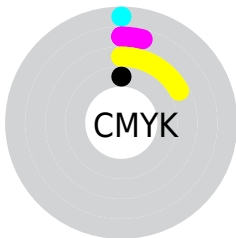
Blue (83%)



Red (89%)

Yellow (100%)

Blue (83%)

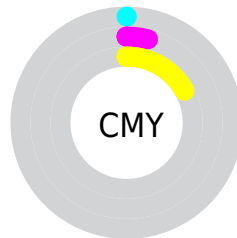


Cyan (0%)

Magenta (4%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7148, 0.3399, 0.3607 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 90.7148, 0.3399, 0.3607 by changing the saturation by 10% instead.


 90.7148, 0.3399,
0.3607

 90.7148, 0.3399,
0.3607


530.3533, 0.3278,
0.3466

 68.5736, 0.3425,
0.3638


148.3309, 0.3358,
0.3559

 50.3646, 0.3457,
0.3676


184.5746, 0.3342,
0.3540

 35.7032, 0.3497,
0.3722


226.2880, 0.3328,
0.3524

 24.2050, 0.3547,
0.3782

273.8554, 0.3316,
0.3509

 15.4858, 0.3612,
0.3860

327.6612, 0.3305,
0.3496

 9.1610, 0.3701,
0.3967

388.0899, 0.3295,

 4.8464, 0.3828,

0.3485

0.4121

455.5258, 0.3286,
0.3475

■ 2.1574, 0.4028,
0.4367

■ 0.6966, 0.4742,
0.5258

■ 90.7148, 0.3399,
0.3607

■ 90.7148, 0.3399,
0.3607

■ 85.6668, 0.3577,
0.3803

■ 96.1013, 0.3233,
0.3416

■ 80.9523, 0.3764,
0.3997

100.0000, 0.3127,
0.3290

■ 76.5574, 0.3956,
0.4182

■ 72.4695, 0.4146,
0.4348

■ 68.6748, 0.4325,
0.4483

■ 65.1575, 0.4484,
0.4578

■ 61.8995, 0.4616,
0.4624

■ 58.8783, 0.4717,
0.4622

■ 57.9677, 0.4744,
0.4615

Harmonies

Analogous

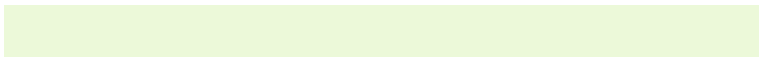
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7148, 0.3491, 0.3514



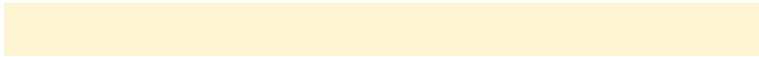
90.7148, 0.3399, 0.3607



90.7148, 0.3235, 0.3614

Triad

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



90.7148, 0.3399, 0.3607



90.7148, 0.2784, 0.3195



90.7148, 0.3202, 0.3070

Complementary

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



90.7148, 0.3399, 0.3607



74.0027, 0.2856, 0.2952

Split Complementary

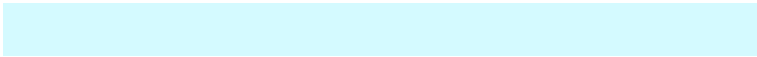
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7148, 0.3012, 0.2988



90.7148, 0.3399, 0.3607



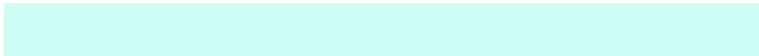
90.7148, 0.2775, 0.3054

Square

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



90.7148, 0.3399, 0.3607



90.7148, 0.2882, 0.3370



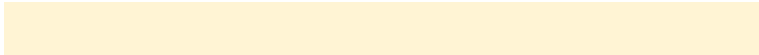
90.7148, 0.2857, 0.2981



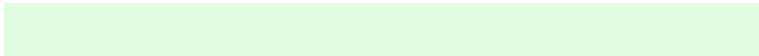
90.7148, 0.3376, 0.3207

Rectangle

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



90.7148, 0.3399, 0.3607



90.7148, 0.3108, 0.3565



90.7148, 0.2857, 0.2981



90.7148, 0.3137, 0.3035

Sweetspot

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



90.7129, 0.3399, 0.3607



97.1411, 0.3204, 0.3381



73.7062, 0.3367, 0.3175



20.7077, 0.3215, 0.3395



0.0000, 0.0000, 0.0000



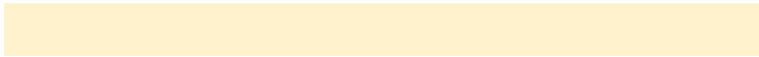
21.4041, 0.3127, 0.3290

Same Dimension

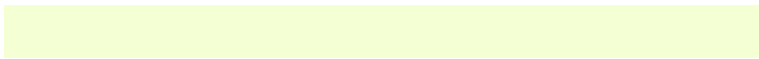
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7129, 0.3399, 0.3607



89.0911, 0.3454, 0.3668



95.6810, 0.3316, 0.3720



20.2572, 0.3276, 0.3466



30.5422, 0.4733, 0.4624



3.1493, 0.4658, 0.4684

Inverse Universe

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



74.0027, 0.2856, 0.2952



69.7115, 0.2801, 0.2881



69.8491, 0.2917, 0.2841



18.1334, 0.2979, 0.3108



5.9656, 0.1583, 0.0897



0.7474, 0.1641, 0.1106

Previews

White Background



This preview shows how the Yxy color 90.7148, 0.3399, 0.3607 looks on a white background.

Color Contrast Check

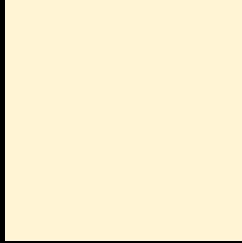
Large Text (above 18pt) WCAG AA × Fail

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 90.7148, 0.3399, 0.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

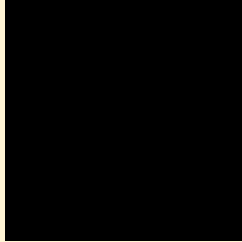
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7148, 0.3399, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 90.7148, 0.3399, 0.3607.



This preview shows how white text looks on a background with the Yxy color 90.7148, 0.3399, 0.3607.

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

90.7148, 0.3399, 0.3607

Protanopia

90.8677, 0.3380, 0.3577

Deuteranopia

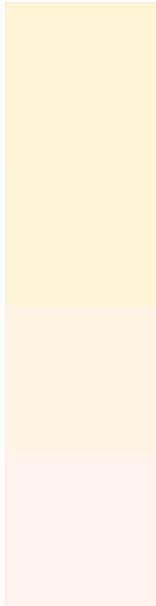
90.8204, 0.3250, 0.3349



Tritanopia

90.6085, 0.3152, 0.3175

Trichromacy



Original Color

90.7148, 0.3399, 0.3607

Protanomaly

90.8164, 0.3386, 0.3587

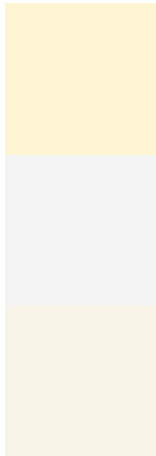
Deuteranomaly

90.9072, 0.3305, 0.3448

Tritanomaly

90.2850, 0.3244, 0.3329

Monochromacy



Original Color

90.7148, 0.3399, 0.3607

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.4840, 0.3226, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7148, 0.3399, 0.3607 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 212) }
```

Border

The CSS property to change the border of an element to Yxy 90.7148, 0.3399, 0.3607 is called "border". The border property can be set on classes, ids or directly on the HTML element.

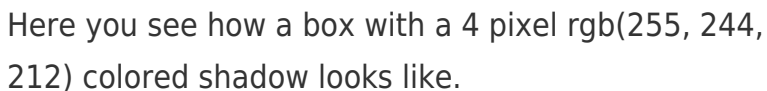
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 244, 212) }
```

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

```
.border{ border-color:rgb(255, 244, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 244, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 244, 212); box-shadow:4px 4px 4px 4px rgb(255, 244, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7148, 0.3399, 0.3607 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
244, 212) }
```

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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