

# Converting Colors

$Y_{xy}(91.1970, 0.3274, 0.3398)$

Have a look what the booklet for  
Yxy(91.1970, 0.3274, 0.3398)  
contains.

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# Color

**Yxy(91.1874, 0.3274, 0.3398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3E8
RGB	255, 243, 232
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0471, 0.0902
CMYK	0.00, 0.05, 0.09, 0.00
HSL	29°, 100%, 95%
HSV	29°, 9%, 100%
XYZ	87.8598, 91.1874, 89.3089
YIQ	245.3340, 10.6830, -0.8770

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 253, 232
Decimal	16774120
CIE <sub>Lab</sub>	96.49, 2.21, 6.73
CIE <sub>LCh</sub>	96, 7.081, 71.839
Yxy	91.1874, 0.3274, 0.3398
Android (android.graphics.Color)	4294964200 (0xFFFFF3E8)
<b>YUV</b>	245.3340, -6.5737, 8.4771
Hunter-Lab	95.4921, -2.8780, 11.3935

# Details

The Yxy color **91.1874, 0.3274, 0.3398** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0721, 0.2987, 0.3180**, and the grayscale version is **91.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6810, 0.3307, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **82.1683, 0.3459, 0.3524**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

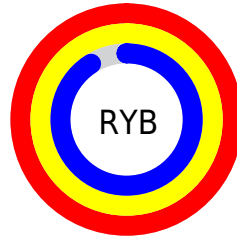
# Distribution



Red (100%)

Green (95%)

Blue (91%)



Red (100%)

Yellow (99%)

Blue (91%)



Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.1874, 0.3274, 0.3398 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 91.1874, 0.3274, 0.3398 by changing the saturation by 10% instead.



 91.1874, 0.3274,  
0.3398

 91.1874, 0.3274,  
0.3398


531.8859, 0.3209,  
0.3350

 68.9659, 0.3288,  
0.3408


148.9867, 0.3252,  
0.3382

 50.6839, 0.3306,  
0.3421

185.3332, 0.3243,  
0.3375

 35.9571, 0.3328,  
0.3437


227.1568, 0.3235,  
0.3370

 24.4011, 0.3355,  
0.3457

274.8420, 0.3229,  
0.3365

 15.6314, 0.3392,  
0.3483

328.7731, 0.3223,  
0.3361

 9.2637, 0.3443,  
0.3518

389.3345, 0.3218,

 4.9136, 0.3518,

0.3357

0.3570

456.9107, 0.3213,  
0.3353

■ 2.1967, 0.3638,  
0.3653

■ 0.7182, 0.4170,  
0.4066

■ 91.1874, 0.3274,  
0.3398

■ 91.1874, 0.3274,  
0.3398

■ 82.1683, 0.3459,  
0.3524

100.0000, 0.3127,  
0.3290

■ 73.9143, 0.3671,  
0.3655

■ 66.4038, 0.3910,  
0.3786

■ 59.6135, 0.4172,  
0.3908

■ 53.5183, 0.4454,  
0.4014

■ 48.0916, 0.4743,  
0.4089

■ 43.3041, 0.5023,  
0.4121

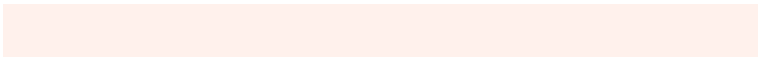
■ 39.1232, 0.5273,  
0.4098

■ 35.5075, 0.5481,  
0.4023

# Harmonies

## Analogous

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



91.1874, 0.3280, 0.3341



91.1874, 0.3274, 0.3398



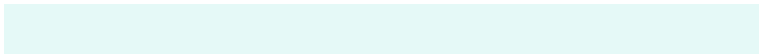
91.1874, 0.3228, 0.3427

# Triad

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



91.1874, 0.3274, 0.3398



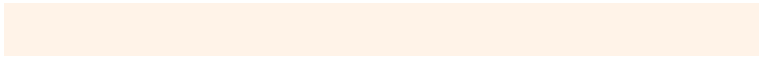
91.1874, 0.3010, 0.3307



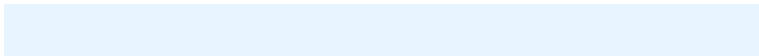
91.1874, 0.3098, 0.3166

# Complementary

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



91.1874, 0.3274, 0.3398



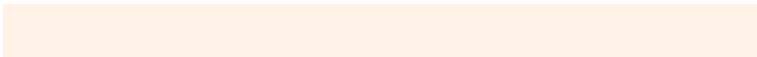
89.0721, 0.2987, 0.3180

# Split Complementary

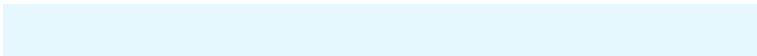
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1874, 0.3026, 0.3156



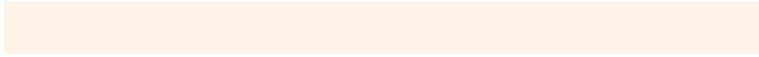
91.1874, 0.3274, 0.3398



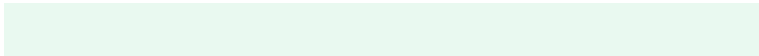
91.1874, 0.2977, 0.3236

# Square

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



91.1874, 0.3274, 0.3398



91.1874, 0.3076, 0.3374



91.1874, 0.2982, 0.3181

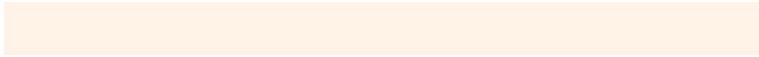


91.1874, 0.3178, 0.3208



# Rectangle

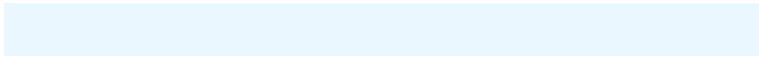
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.1874, 0.3274, 0.3398



91.1874, 0.3181, 0.3425



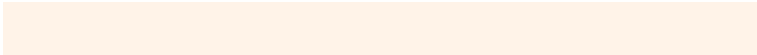
91.1874, 0.2982, 0.3181



91.1874, 0.3072, 0.3159

# Sweetspot

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



91.1881, 0.3274, 0.3398



96.9977, 0.3174, 0.3325



85.5180, 0.3206, 0.3170



20.5924, 0.3187, 0.3335



0.0000, 0.0000, 0.0000

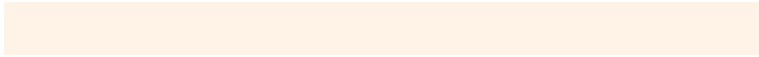


21.4041, 0.3127, 0.3290



# Same Dimension

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



91.1881, 0.3274, 0.3398



89.3419, 0.3309, 0.3423



98.1176, 0.3263, 0.3505



19.4209, 0.3282, 0.3404



18.6774, 0.5474, 0.4036

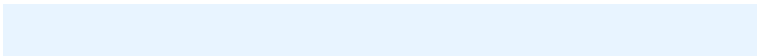


2.0357, 0.5290, 0.4182

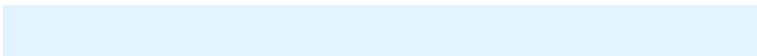


# Inverse Universe

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



89.0721, 0.2987, 0.3180



86.7970, 0.2956, 0.3154



82.5178, 0.2986, 0.3065



18.9454, 0.2979, 0.3173



12.8383, 0.1791, 0.1646

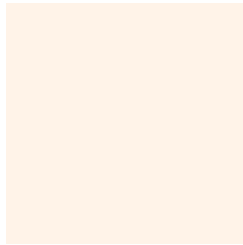


1.4689, 0.1846, 0.1846



# Previews

## White Background



This preview shows how the Yxy color 91.1874, 0.3274, 0.3398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

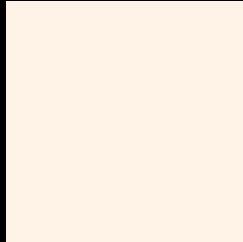
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.1874, 0.3274, 0.3398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

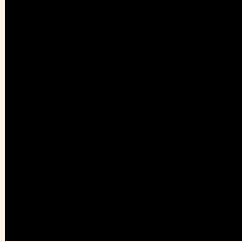
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.1874, 0.3274, 0.3398**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.1874, 0.3274, 0.3398.

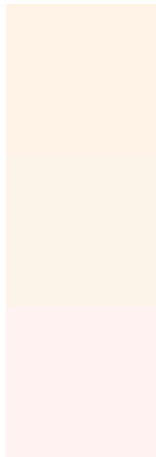


This preview shows how white text looks on a background with the Yxy color 91.1874, 0.3274, 0.3398.

# 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

91.1874, 0.3274, 0.3398

### Protanopia

91.2230, 0.3253, 0.3408

### Deuteranopia

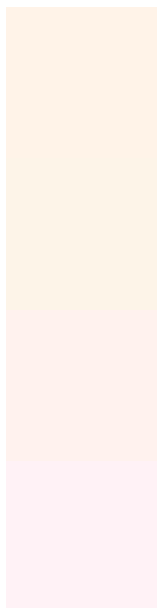
91.1151, 0.3219, 0.3300



## Tritanopia

91.3264, 0.3140, 0.3165

# Trichromacy



## Original Color

91.1874, 0.3274, 0.3398

## Protanomaly

91.4102, 0.3259, 0.3408

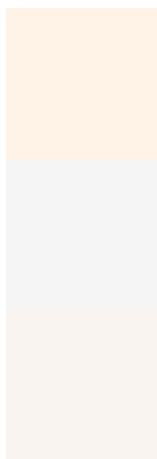
## Deuteranomaly

90.9373, 0.3237, 0.3329

## Tritanomaly

91.4181, 0.3188, 0.3252

# Monochromacy



## Original Color

91.1874, 0.3274, 0.3398

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.1324, 0.3184, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.1874, 0.3274, 0.3398 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, 243, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 232)  
}
```

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, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 91.1874, 0.3274, 0.3398 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, 243, 232) }
```

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

```
.border{ border-color:rgb(255, 243, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 243, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 243, 232); box-shadow:4px 4px 4px 4px rgb(255, 243, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.1874, 0.3274, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 232) }
```

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

```
.background{ background-color: rgb(255,  
243, 232) }
```

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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