

# Converting Colors

$Y_{xy}(100.0000, 0.3616, 0.3475)$

Have a look what the booklet for  
Yxy(100.0000, 0.3616, 0.3475)  
contains.

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# Color

**Yxy(91.2891, 0.3329, 0.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4DF
RGB	255, 244, 223
RGB Percent	100%, 96%, 87%
CMY	0.0001, 0.0431, 0.1255
CMYK	0.00, 0.04, 0.13, 0.00
HSL	39°, 100%, 94%
HSV	39°, 13%, 100%
XYZ	86.9035, 91.2891, 82.8572
YIQ	244.8950, 13.2970, -4.1990

# Conversions

## Conversions Part 2

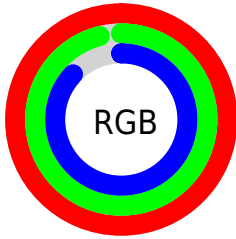
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 223
Decimal	16774367
CIE Lab	96.53, 0.25, 11.42
CIE LCh	97, 11.424, 88.730
Yxy	91.2891, 0.3329, 0.3497
Android (android.graphics.Color)	4294964447 (0xFFFFF4DF)
YUV	244.8950, -10.7942, 8.8621
Hunter-Lab	95.5453, -4.8493, 15.4653

# Details

The Yxy color **91.2891, 0.3329, 0.3497** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7358, 0.2930, 0.3074**, and the grayscale version is **91.3027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.7994, 0.3370, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **84.8821, 0.3509, 0.3670**, and if you desaturate by 10%, it is **98.1609, 0.3166, 0.3331**.

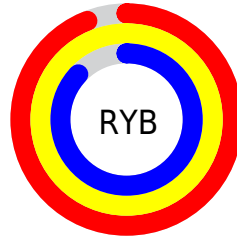
# Distribution



Red (100%)

Green (96%)

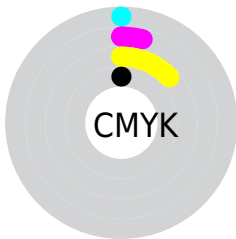
Blue (87%)



Red (94%)

Yellow (100%)

Blue (87%)

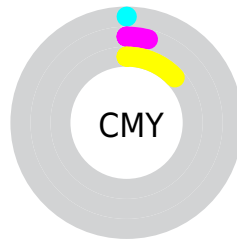


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.2891, 0.3329, 0.3497 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 91.2891, 0.3329, 0.3497 by changing the saturation by 10% instead.



 91.2891, 0.3329,  
0.3497

 91.2891, 0.3329,  
0.3497


532.2154, 0.3239,  
0.3405

 69.0503, 0.3349,  
0.3517

149.1277, 0.3299,  
0.3466

 50.7527, 0.3373,  
0.3542


185.4963, 0.3287,  
0.3454

 36.0118, 0.3402,  
0.3572


227.3437, 0.3276,  
0.3443

 24.4433, 0.3440,  
0.3611

275.0542, 0.3267,  
0.3433

 15.6628, 0.3490,  
0.3661

329.0122, 0.3259,  
0.3425

 9.2859, 0.3558,  
0.3731

389.6022, 0.3252,

 4.9281, 0.3657,

0.3418

0.3832

457.2084, 0.3245,  
0.3411

■ 2.2051, 0.3814,  
0.3991

■ 0.7228, 0.4895,  
0.5105

■ 91.2891, 0.3329,  
0.3497

■ 91.2891, 0.3329,  
0.3497

■ 84.8821, 0.3509,  
0.3670

■ 98.1609, 0.3166,  
0.3331

■ 78.9150, 0.3705,  
0.3846

99.9951, 0.3127,  
0.3290

■ 73.3786, 0.3913,  
0.4017

■ 68.2585, 0.4129,  
0.4176

■ 63.5390, 0.4344,  
0.4310

■ 59.2033, 0.4549,  
0.4408

■ 55.2321, 0.4732,  
0.4460

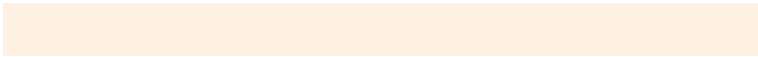
■ 51.6027, 0.4883,  
0.4460

■ 49.0940, 0.4977,  
0.4430

# Harmonies

## Analogous

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



91.2891, 0.3378, 0.3427



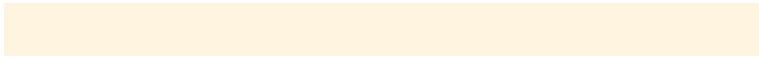
91.2891, 0.3329, 0.3497



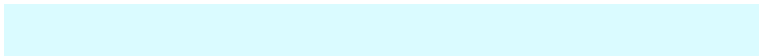
91.2891, 0.3226, 0.3512

# Triad

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



91.2891, 0.3329, 0.3497



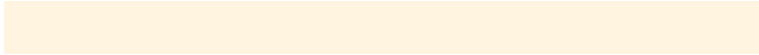
91.2891, 0.2902, 0.3250



91.2891, 0.3152, 0.3124

# Complementary

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



91.2891, 0.3329, 0.3497



81.7358, 0.2930, 0.3074

# Split Complementary

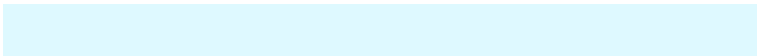
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2891, 0.3025, 0.3077



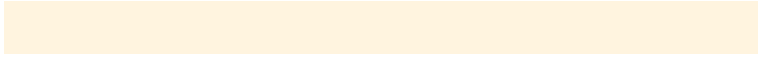
91.2891, 0.3329, 0.3497



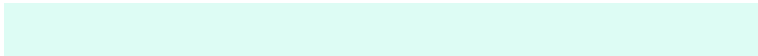
91.2891, 0.2883, 0.3147

# Square

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



91.2891, 0.3329, 0.3497



91.2891, 0.2980, 0.3368



91.2891, 0.2927, 0.3085

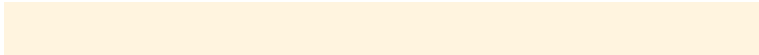


91.2891, 0.3275, 0.3213

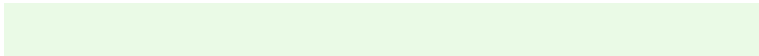


# Rectangle

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



91.2891, 0.3329, 0.3497



91.2891, 0.3141, 0.3487



91.2891, 0.2927, 0.3085



91.2891, 0.3109, 0.3103

# Sweetspot

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



91.2931, 0.3329, 0.3497



97.1492, 0.3189, 0.3355



79.9870, 0.3279, 0.3180



20.6810, 0.3201, 0.3367



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.



91.2931, 0.3329, 0.3497



89.6925, 0.3372, 0.3539



97.1890, 0.3284, 0.3604



19.9803, 0.3278, 0.3446



25.9473, 0.4961, 0.4443



2.7299, 0.4850, 0.4531



# Inverse Universe

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



81.7358, 0.2930, 0.3074



78.4521, 0.2889, 0.3028



76.4603, 0.2958, 0.2962



18.3959, 0.2979, 0.3129



7.6197, 0.1639, 0.1100

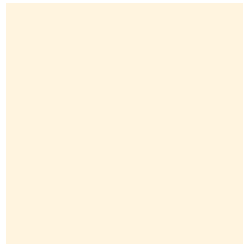


0.9358, 0.1701, 0.1324



# Previews

## White Background



This preview shows how the Yxy color 91.2891, 0.3329, 0.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

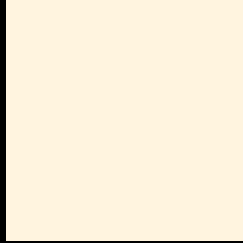
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.2891, 0.3329, 0.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

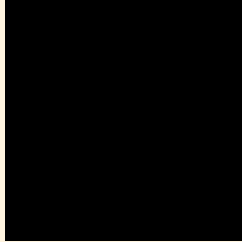
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.2891, 0.3329, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.2891, 0.3329, 0.3497.



This preview shows how white text looks on a background with the Yxy color 91.2891, 0.3329, 0.3497.

# 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

91.2891, 0.3329, 0.3497

### Protanopia

91.2891, 0.3329, 0.3497

### Deuteranopia

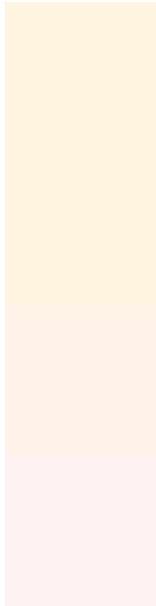
90.9963, 0.3231, 0.3320



## Tritanopia

91.3264, 0.3140, 0.3165

# Trichromacy



## Original Color

91.2891, 0.3329, 0.3497

## Protanomaly

91.2891, 0.3329, 0.3497

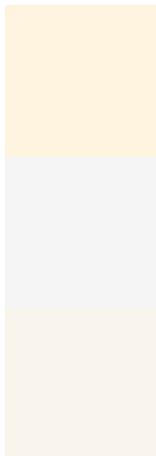
## Deuteranomaly

91.2444, 0.3268, 0.3388

## Tritanomaly

91.2353, 0.3206, 0.3281

# Monochromacy



## Original Color

91.2891, 0.3329, 0.3497

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.5590, 0.3201, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.2891, 0.3329, 0.3497 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 91.2891, 0.3329, 0.3497 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, 223) }
```

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

```
.border{ border-color:rgb(255, 244, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.2891, 0.3329, 0.3497 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
244, 223) }
```

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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