

# Converting Colors

$Y_{xy}(100.0000, 0.3573, 0.3404)$

Have a look what the booklet for  
Yxy(100.0000, 0.3573, 0.3404)  
contains.

<b>Yxy(91.0744, 0.3286, 0.3418)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(91.0744, 0.3286, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3E6
RGB	255, 243, 230
RGB Percent	100%, 95%, 90%
CMY	0.0002, 0.0470, 0.0981
CMYK	0.00, 0.05, 0.10, 0.00
HSL	31°, 100%, 95%
HSV	31°, 10%, 100%
XYZ	87.5572, 91.0744, 87.8236
YIQ	245.1060, 11.3250, -1.4990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	253, 255, 230
Decimal	16774118
CIE Lab	96.44, 1.85, 7.69
CIE LCh	96, 7.910, 76.493
Yxy	91.0744, 0.3286, 0.3418
Android (android.graphics.Color)	4294964198 (0xFFFFF3E6)
YUV	245.1060, -7.4473, 8.6770
Hunter-Lab	95.4329, -3.2385, 12.2405

# Details

The Yxy color **91.0744, 0.3286, 0.3418** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4926, 0.2975, 0.3159**, and the grayscale version is **91.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6416, 0.3315, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **82.6981, 0.3471, 0.3556**, and if you desaturate by 10%, it is **99.9892, 0.3127, 0.3290**.

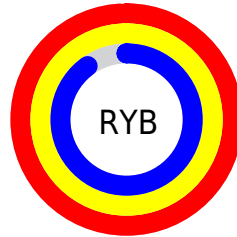
# Distribution



Red (100%)

Green (95%)

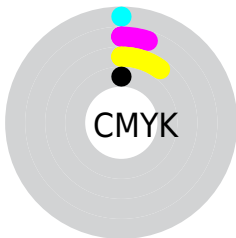
Blue (90%)



Red (99%)

Yellow (100%)

Blue (90%)

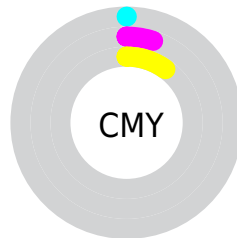


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.0744, 0.3286, 0.3418 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 91.0744, 0.3286, 0.3418 by changing the saturation by 10% instead.



 91.0744, 0.3286,  
0.3418

 91.0744, 0.3286,  
0.3418


531.5197, 0.3215,  
0.3361

 68.8721, 0.3302,  
0.3430

148.8299, 0.3262,  
0.3399

 50.6075, 0.3321,  
0.3445

185.1519, 0.3252,  
0.3391

 35.8964, 0.3344,  
0.3464


226.9492, 0.3244,  
0.3385

 24.3542, 0.3374,  
0.3488

274.6062, 0.3237,  
0.3379

 15.5966, 0.3414,  
0.3519

328.5074, 0.3231,  
0.3374

 9.2391, 0.3469,  
0.3561

389.0371, 0.3225,

 4.8975, 0.3549,

0.3369

0.3623

456.5797, 0.3220,  
0.3365

■ 2.1872, 0.3679,  
0.3721

■ 0.7130, 0.4317,  
0.4258

■ 91.0744, 0.3286,  
0.3418

■ 91.0744, 0.3286,  
0.3418

■ 82.6981, 0.3471,  
0.3556

99.9892, 0.3127,  
0.3290

■ 74.9927, 0.3679,  
0.3698

■ 67.9427, 0.3910,  
0.3839

■ 61.5277, 0.4162,  
0.3972

■ 55.7261, 0.4428,  
0.4085

■ 50.5143, 0.4696,  
0.4167

■ 45.8666, 0.4952,  
0.4205

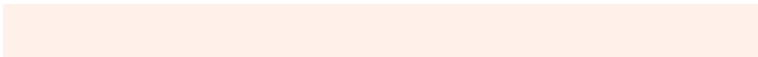
■ 41.7540, 0.5178,  
0.4188

■ 38.1366, 0.5366,  
0.4120

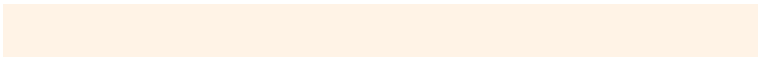
# Harmonies

## Analogous

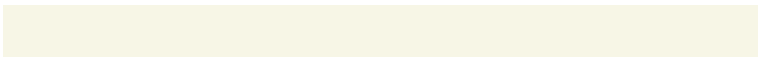
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0744, 0.3301, 0.3358



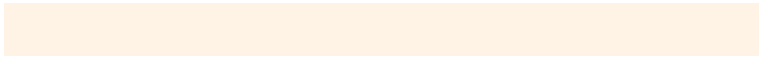
91.0744, 0.3286, 0.3418



91.0744, 0.3228, 0.3444

# Triad

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



91.0744, 0.3286, 0.3418



91.0744, 0.2988, 0.3296



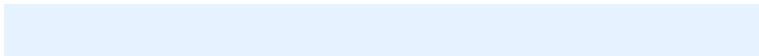
91.0744, 0.3108, 0.3157

# Complementary

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



91.0744, 0.3286, 0.3418



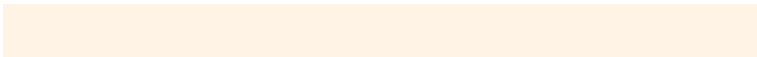
87.4926, 0.2975, 0.3159

# Split Complementary

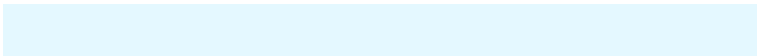
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0744, 0.3025, 0.3139



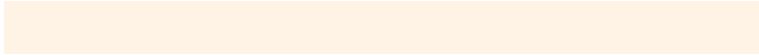
91.0744, 0.3286, 0.3418



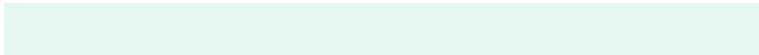
91.0744, 0.2957, 0.3218

# Square

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



91.0744, 0.3286, 0.3418



91.0744, 0.3057, 0.3374



91.0744, 0.2970, 0.3161

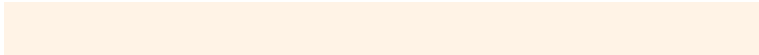


91.0744, 0.3197, 0.3209



# Rectangle

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



91.0744, 0.3286, 0.3418



91.0744, 0.3174, 0.3439



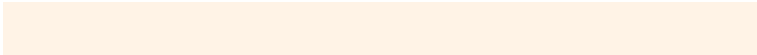
91.0744, 0.2970, 0.3161



91.0744, 0.3079, 0.3147

# Sweetspot

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



91.0784, 0.3286, 0.3418



97.2073, 0.3174, 0.3328



84.2552, 0.3221, 0.3172



20.6489, 0.3186, 0.3339



0.0000, 0.0000, 0.0000

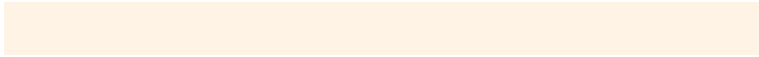


21.4041, 0.3127, 0.3290

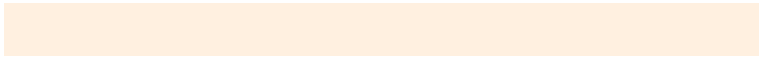


# Same Dimension

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



91.0784, 0.3286, 0.3418



89.2081, 0.3325, 0.3448



98.3673, 0.3271, 0.3532



19.5568, 0.3281, 0.3414



20.2001, 0.5345, 0.4138

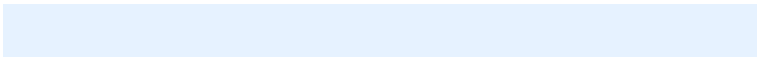


2.1857, 0.5178, 0.4271

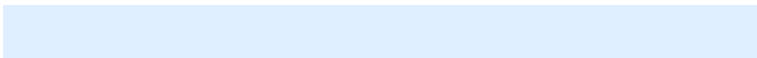


# Inverse Universe

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



87.4926, 0.2975, 0.3159



84.8756, 0.2939, 0.3127



80.6996, 0.2976, 0.3036



18.8095, 0.2979, 0.3163



11.3183, 0.1750, 0.1500

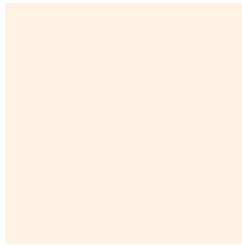


1.3192, 0.1809, 0.1711



# Previews

## White Background



This preview shows how the Yxy color 91.0744, 0.3286, 0.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

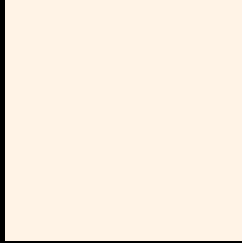
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.0744, 0.3286, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

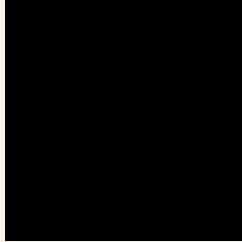
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.0744, 0.3286, 0.3418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.0744, 0.3286, 0.3418.

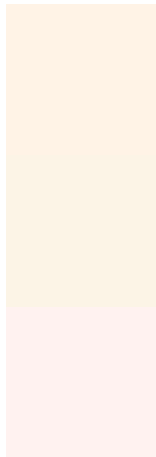


This preview shows how white text looks on a background with the Yxy color 91.0744, 0.3286, 0.3418.

# 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

91.0744, 0.3286, 0.3418

### Protanopia

91.1100, 0.3265, 0.3428

### Deuteranopia

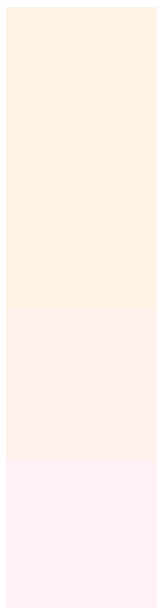
91.0555, 0.3225, 0.3310



## Tritanopia

91.3264, 0.3140, 0.3165

# Trichromacy



## Original Color

91.0744, 0.3286, 0.3418

## Protanomaly

91.2972, 0.3272, 0.3428

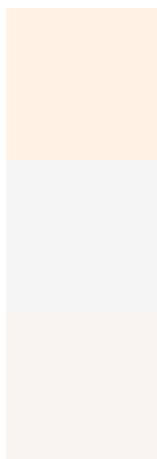
## Deuteranomaly

90.8204, 0.3250, 0.3349

## Tritanomaly

91.3568, 0.3194, 0.3261

# Monochromacy



## Original Color

91.0744, 0.3286, 0.3418

## 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 91.0744, 0.3286, 0.3418 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 91.0744, 0.3286, 0.3418 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, 230) }
```

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

```
.border{ border-color:rgb(255, 243, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.0744, 0.3286, 0.3418 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
243, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor