

# Converting Colors

$Y_{xy}(91.7275, 0.3248, 0.3334)$

Have a look what the booklet for  
Yxy(91.7275, 0.3248, 0.3334)  
contains.

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# **Color**

**Yxy(91.5342, 0.3236, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3EE
RGB	255, 243, 238
RGB Percent	100%, 95%, 93%
CMY	0.0002, 0.0470, 0.0666
CMYK	0.00, 0.05, 0.07, 0.00
HSL	18°, 99%, 97%
HSV	18°, 7%, 100%
XYZ	88.7106, 91.5342, 93.8918
YIQ	246.0180, 8.7570, 0.9890

# Conversions

## Conversions Part 2

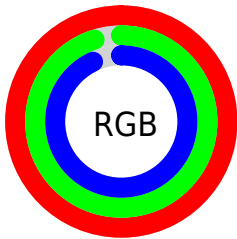
Format	Color
R <sub>Y</sub> B	255, 245, 238
Decimal	16774126
CIE Lab	96.63, 3.16, 3.82
CIE LCh	97, 4.961, 50.433
Yxy	91.5342, 0.3236, 0.3339
Android (android.graphics.Color)	4294964206 (0xFFFFF3EE)
YUV	246.0180, -3.9529, 7.8772
Hunter-Lab	95.6735, -1.9195, 8.7856

# Details

The Yxy color **91.5342, 0.3236, 0.3339** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.7326, 0.3024, 0.3240**, and the grayscale version is **92.1998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9238, 0.3259, 0.3352** is the 20% darker color. If you saturate the color by 10%, you get **79.9145, 0.3426, 0.3417**, and if you desaturate by 10%, it is **99.9904, 0.3127, 0.3290**.

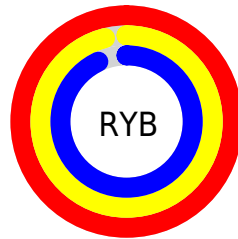
# Distribution



Red (100%)

Green (95%)

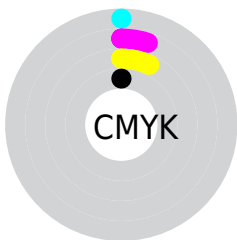
Blue (93%)



Red (100%)

Yellow (96%)

Blue (93%)

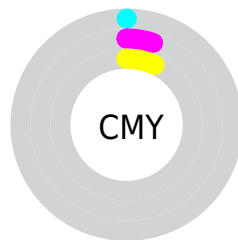


Cyan (0%)

Magenta (5%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5342, 0.3236, 0.3339 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 91.5342, 0.3236, 0.3339 by changing the saturation by 10% instead.




 91.5342, 0.3236,  
0.3339

 91.5342, 0.3236,  
0.3339

533.0090, 0.3188,  
0.3318

 69.2538, 0.3247,  
0.3344


149.4676, 0.3220,  
0.3332

 50.9184, 0.3260,  
0.3349


185.8895, 0.3213,  
0.3329

 36.1437, 0.3276,  
0.3356


227.7939, 0.3207,  
0.3326

 24.5452, 0.3296,  
0.3365

275.5654, 0.3202,  
0.3324

 15.7385, 0.3324,  
0.3377

329.5882, 0.3198,  
0.3322

 9.3393, 0.3361,  
0.3393

390.2468, 0.3194,

 4.9632, 0.3417,

0.3320

0.3415

457.9256, 0.3191,  
0.3319

■ 2.2257, 0.3506,  
0.3451

■ 0.7339, 0.3797,  
0.3597

■ 91.5342, 0.3236,  
0.3339

■ 91.5342, 0.3236,  
0.3339

■ 79.9145, 0.3426,  
0.3417

99.9904, 0.3127,  
0.3290

■ 69.5155, 0.3651,  
0.3499

■ 60.3003, 0.3916,  
0.3582

■ 52.2257, 0.4223,  
0.3660

■ 45.2455, 0.4569,  
0.3725

■ 39.3105, 0.4942,  
0.3767

■ 34.3673, 0.5316,  
0.3773

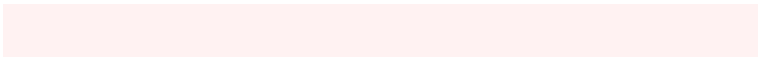
■ 30.3571, 0.5658,  
0.3733

■ 27.2129, 0.5929,  
0.3647

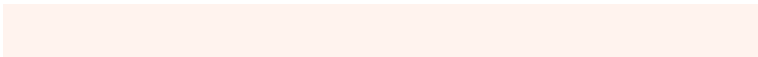
# Harmonies

## Analogous

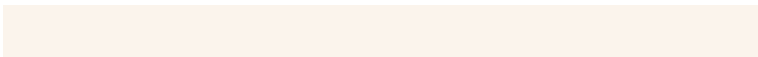
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5342, 0.3219, 0.3292



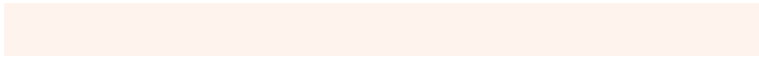
91.5342, 0.3236, 0.3339



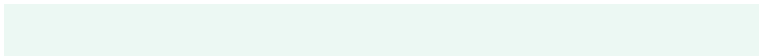
91.5342, 0.3223, 0.3374

# Triad

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



91.5342, 0.3236, 0.3339



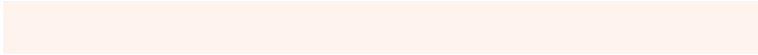
91.5342, 0.3076, 0.3337



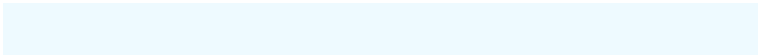
91.5342, 0.3070, 0.3195

# Complementary

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



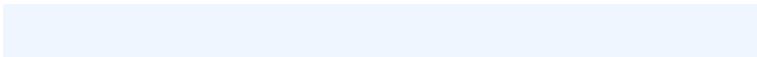
91.5342, 0.3236, 0.3339



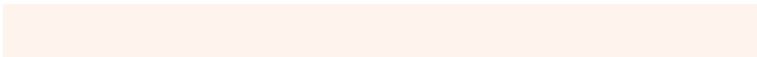
93.7326, 0.3024, 0.3240

# Split Complementary

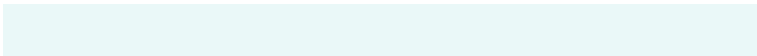
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.5342, 0.3032, 0.3206



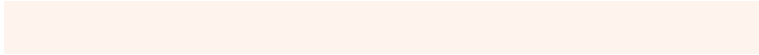
91.5342, 0.3236, 0.3339



91.5342, 0.3036, 0.3288

# Square

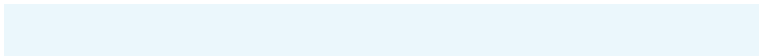
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



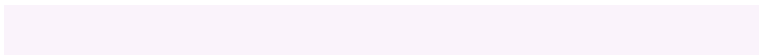
91.5342, 0.3236, 0.3339



91.5342, 0.3131, 0.3373



91.5342, 0.3020, 0.3240

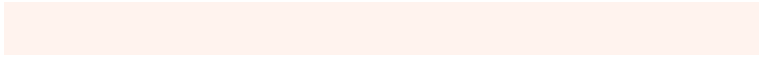


91.5342, 0.3123, 0.3209



# Rectangle

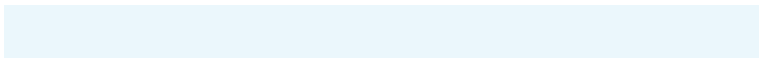
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.5342, 0.3236, 0.3339



91.5342, 0.3200, 0.3385



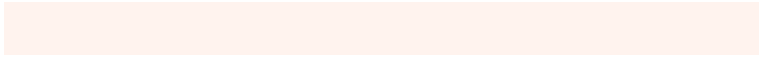
91.5342, 0.3020, 0.3240



91.5342, 0.3055, 0.3196

# Sweetspot

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



91.5382, 0.3236, 0.3339



97.4052, 0.3159, 0.3305



89.3200, 0.3164, 0.3173



20.8760, 0.3157, 0.3304



0.0000, 0.0000, 0.0000

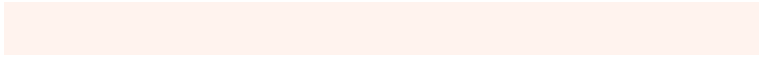


21.4041, 0.3127, 0.3290

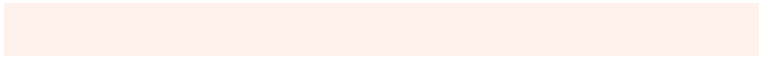


# Same Dimension

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



91.5382, 0.3236, 0.3339



89.9271, 0.3260, 0.3349



96.5939, 0.3229, 0.3418



18.8620, 0.3287, 0.3361



13.9893, 0.5976, 0.3637

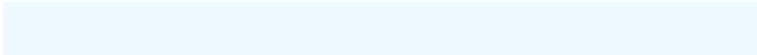


1.5421, 0.5756, 0.3812

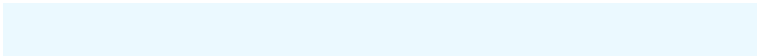


# Inverse Universe

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



93.7326, 0.3024, 0.3240



92.5467, 0.3003, 0.3230



88.7131, 0.3025, 0.3158



19.5213, 0.2980, 0.3218



21.0211, 0.1971, 0.2294

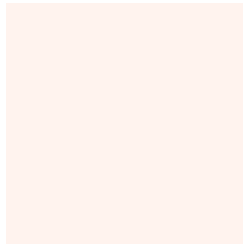


2.2369, 0.2006, 0.2422



# Previews

## White Background



This preview shows how the Yxy color 91.5342, 0.3236, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

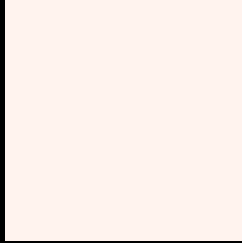
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.5342, 0.3236, 0.3339 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

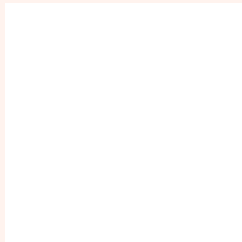
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.5342, 0.3236, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5342, 0.3236, 0.3339.

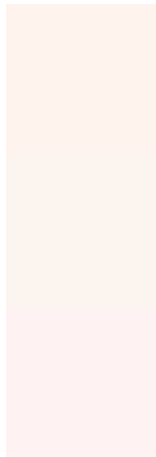


This preview shows how white text looks on a background with the Yxy color 91.5342, 0.3236, 0.3339.

# 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

91.5342, 0.3236, 0.3339

### Protanopia

91.4426, 0.3203, 0.3339

### Deuteranopia

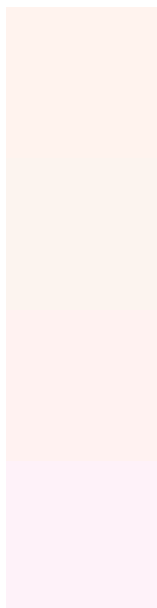
91.2353, 0.3206, 0.3281



## Tritanopia

91.2014, 0.3127, 0.3155

# Trichromacy



## Original Color

91.5342, 0.3236, 0.3339

## Protanomaly

91.6288, 0.3210, 0.3339

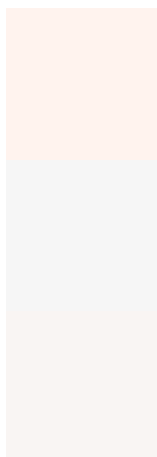
## Deuteranomaly

91.1151, 0.3219, 0.3300

## Tritanomaly

91.4146, 0.3163, 0.3222

# Monochromacy



## Original Color

91.5342, 0.3236, 0.3339

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

91.9156, 0.3165, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5342, 0.3236, 0.3339 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5342, 0.3236, 0.3339 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, 238) }
```

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

```
.border{ border-color:rgb(255, 243, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5342, 0.3236, 0.3339 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
243, 238) }
```

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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