

# Converting Colors

$Yxy(90.9053, 0.3232, 0.3350)$

Have a look what the booklet for  
Yxy(90.9053, 0.3232, 0.3350)  
contains.

<b>Yxy(91.0983, 0.3229, 0.3349)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(91.0983, 0.3229, 0.3349)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF3ED
RGB	253, 243, 237
RGB Percent	99%, 95%, 93%
CMY	0.0080, 0.0470, 0.0705
CMYK	0.00, 0.04, 0.06, 0.01
HSL	23°, 80%, 96%
HSV	23°, 6%, 99%
XYZ	87.8341, 91.0983, 93.0840
YIQ	245.3060, 7.8860, 0.2540

# Conversions

## Conversions Part 2

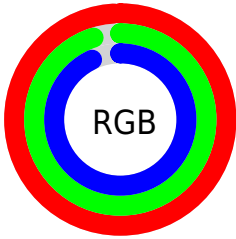
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 247, 237
Decimal	16643053
CIE Lab	96.45, 2.32, 4.06
CIE LCh	96, 4.678, 60.302
Yxy	91.0983, 0.3229, 0.3349
Android (android.graphics.Color)	4294833133 (0xFFFD3ED)
YUV	245.3060, -4.0949, 6.7476
Hunter-Lab	95.4454, -2.7640, 8.9887

# Details

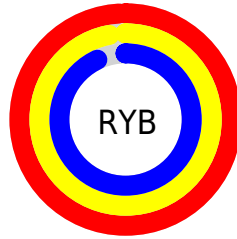
The Yxy color **91.0983, 0.3229, 0.3349** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.5879, 0.3030, 0.3230**, and the grayscale version is **91.5975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6126, 0.3250, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **80.6895, 0.3413, 0.3448**, and if you desaturate by 10%, it is **99.6146, 0.3115, 0.3290**.

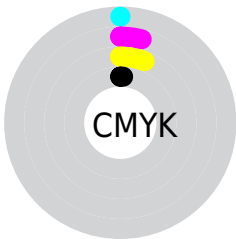
# Distribution



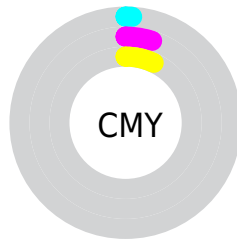
- Red (99%)
- Green (95%)
- Blue (93%)



- Red (99%)
- Yellow (97%)
- Blue (93%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (1%)




- Cyan (1%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.0983, 0.3229, 0.3349 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 91.0983, 0.3229, 0.3349 by changing the saturation by 10% instead.



 91.0983, 0.3229,  
0.3349

 91.0983, 0.3229,  
0.3349

531.5971, 0.3184,  
0.3323

 68.8919, 0.3239,  
0.3355


148.8630, 0.3214,  
0.3340

 50.6237, 0.3251,  
0.3362


185.1902, 0.3208,  
0.3337

 35.9092, 0.3266,  
0.3370


226.9931, 0.3202,  
0.3334

 24.3641, 0.3286,  
0.3381

274.6561, 0.3198,  
0.3331

 15.6039, 0.3311,  
0.3395

328.5636, 0.3194,  
0.3329

 9.2443, 0.3346,  
0.3415

389.1000, 0.3190,

 4.9009, 0.3398,

0.3327

0.3443

456.6497, 0.3187,  
0.3325

■ 2.1892, 0.3483,  
0.3488

■ 0.7141, 0.3785,  
0.3675

■ 91.0983, 0.3229,  
0.3349

■ 91.0983, 0.3229,  
0.3349

■ 80.6895, 0.3413,  
0.3448

99.6146, 0.3115,  
0.3290

■ 71.2670, 0.3628,  
0.3551

■ 62.8041, 0.3877,  
0.3656

■ 55.2691, 0.4161,  
0.3755

■ 48.6278, 0.4475,  
0.3842

■ 42.8440, 0.4810,  
0.3903

■ 37.8784, 0.5145,  
0.3926

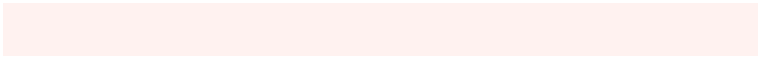
■ 33.6880, 0.5455,  
0.3899

■ 30.2239, 0.5712,  
0.3818

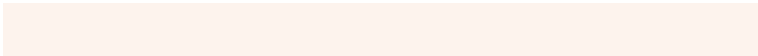
# Harmonies

## Analogous

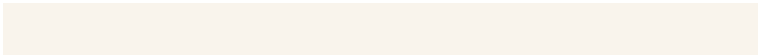
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0983, 0.3222, 0.3307



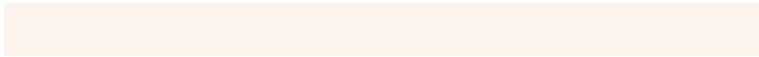
91.0983, 0.3229, 0.3349



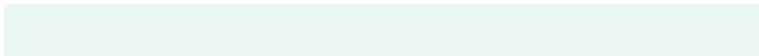
91.0983, 0.3208, 0.3376

# Triad

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



91.0983, 0.3229, 0.3349



91.0983, 0.3065, 0.3320



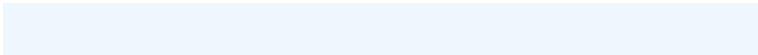
91.0983, 0.3088, 0.3202

# Complementary

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



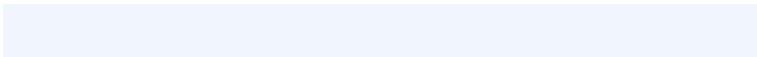
91.0983, 0.3229, 0.3349



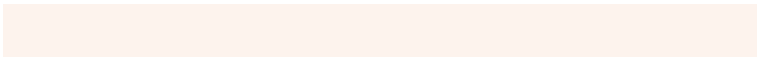
91.5879, 0.3030, 0.3230

# Split Complementary

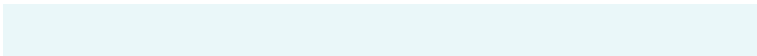
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0983, 0.3047, 0.3205



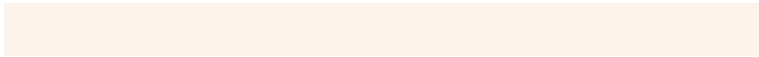
91.0983, 0.3229, 0.3349



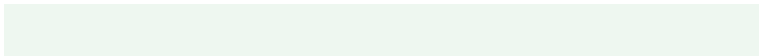
91.0983, 0.3033, 0.3272

# Square

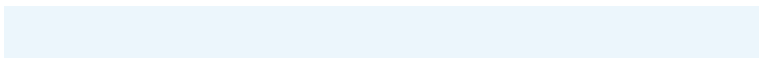
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



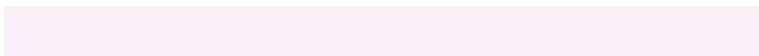
91.0983, 0.3229, 0.3349



91.0983, 0.3113, 0.3359



91.0983, 0.3027, 0.3230

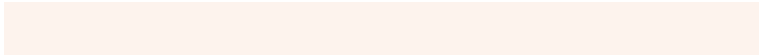


91.0983, 0.3141, 0.3223



# Rectangle

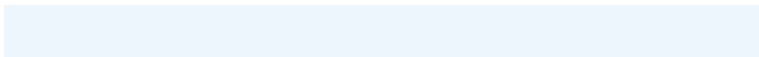
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.0983, 0.3229, 0.3349



91.0983, 0.3182, 0.3381



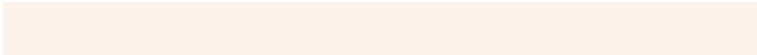
91.0983, 0.3027, 0.3230



91.0983, 0.3073, 0.3201

# Sweetspot

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



91.1023, 0.3229, 0.3349



97.6643, 0.3158, 0.3308



88.1729, 0.3171, 0.3192



20.9287, 0.3157, 0.3308



0.0000, 0.0000, 0.0000

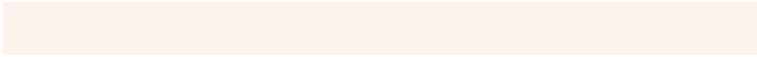


21.4041, 0.3127, 0.3290

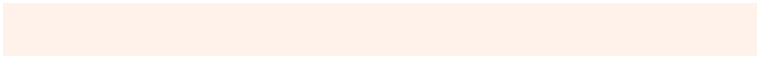


# Same Dimension

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



91.1023, 0.3229, 0.3349



90.9085, 0.3258, 0.3365



95.8788, 0.3222, 0.3424



19.1081, 0.3285, 0.3380



15.7484, 0.5766, 0.3804

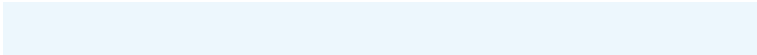


1.7354, 0.5552, 0.3973



# Inverse Universe

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



91.5879, 0.3030, 0.3230



91.5291, 0.3003, 0.3213



86.9105, 0.3030, 0.3152



19.2643, 0.2979, 0.3198



17.0168, 0.1890, 0.2003

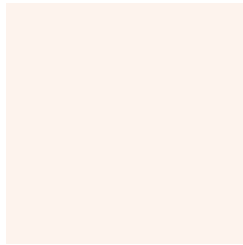


1.8673, 0.1935, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 91.0983, 0.3229, 0.3349 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

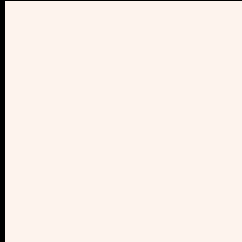
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.0983, 0.3229, 0.3349 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 91.0983, 0.3229, 0.3349**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.0983, 0.3229, 0.3349.



This preview shows how white text looks on a background with the Yxy color 91.0983, 0.3229, 0.3349.

# 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**

91.0983, 0.3229, 0.3349

**Protanopia**

91.3250, 0.3215, 0.3359

**Deuteranopia**

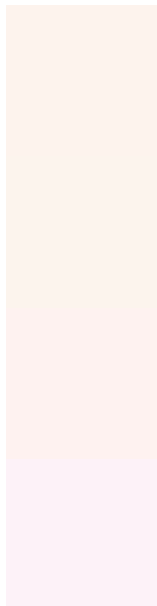
91.1751, 0.3212, 0.3290



## Tritanopia

91.0132, 0.3121, 0.3155

# Trichromacy



## Original Color

91.0983, 0.3229, 0.3349

## Protanomaly

91.5112, 0.3222, 0.3359

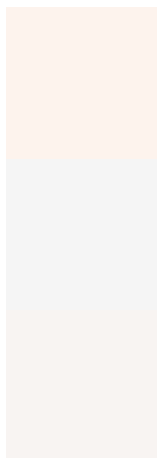
## Deuteranomaly

90.8664, 0.3218, 0.3310

## Tritanomaly

91.1642, 0.3162, 0.3232

# Monochromacy



## Original Color

91.0983, 0.3229, 0.3349

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.0686, 0.3165, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.0983, 0.3229, 0.3349 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(253, 243, 237)` looks like.

```
.text, #text, p{  
    color:rgb(253, 243, 237)  
}
```

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(253, 243, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 243, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 91.0983, 0.3229, 0.3349 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(253, 243, 237) }
```

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

```
.border{ border-color:rgb(253, 243, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 243, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 243, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 243, 237);  
box-shadow:4px 4px 4px 4px rgb(253, 243,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.0983, 0.3229, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 243, 237) }
```

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

```
.background{ background-color: rgb(253,  
243, 237) }
```

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