

# Converting Colors

$Y_{xy}(110.2783, 0.3196, 0.2709)$

Have a look what the booklet for  
Yxy(110.2783, 0.3196, 0.2709)  
contains.

<b>Yxy(91.3906, 0.3133, 0.3156)</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(91.3906, 0.3133, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1FF
RGB	255, 241, 255
RGB Percent	100%, 95%, 100%
CMY	0.0003, 0.0548, 0.0000
CMYK	0.00, 0.05, 0.00, 0.00
HSL	300°, 100%, 97%
HSV	300°, 5%, 100%
XYZ	90.7246, 91.3906, 107.4621
YIQ	246.7820, 3.8500, 7.3220

# Conversions

## Conversions Part 2

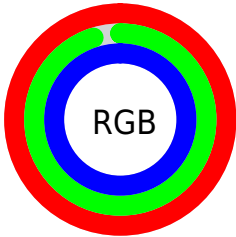
Format	Color
R <sub>Y</sub> B	255, 241, 255
Decimal	16773631
CIE Lab	96.57, 7.08, -5.04
CIE LCh	97, 8.694, 324.577
Yxy	91.3906, 0.3133, 0.3156
Android (android.graphics.Color)	4294963711 (0xFFFFF1FF)
YUV	246.7820, 4.0515, 7.2072
Hunter-Lab	95.5984, 2.1023, 0.2710

# Details

The Yxy color 91.3906, 0.3133, 0.3156 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.5888, 0.3121, 0.3428, and the grayscale version is 92.7853, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.7809, 0.3135, 0.3132 is the 20% darker color. If you saturate the color by 10%, you get 77.3138, 0.3144, 0.2906, and if you desaturate by 10%, it is 99.9998, 0.3127, 0.3290.

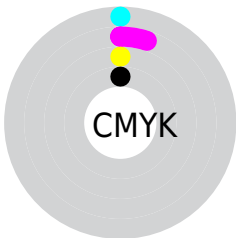
# Distribution



- Red (100%)
- Green (95%)
- Blue (100%)



- Red (100%)
- Yellow (95%)
- Blue (100%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3906, 0.3133, 0.3156 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 91.3906, 0.3133, 0.3156 by changing the saturation by 10% instead.




 91.3906, 0.3133,  
0.3156

 91.3906, 0.3133,  
0.3156

532.5441, 0.3131,  
0.3215

 69.1346, 0.3133,  
0.3143


149.2685, 0.3132,  
0.3176

 50.8213, 0.3134,  
0.3128


185.6592, 0.3132,  
0.3184

 36.0664, 0.3135,  
0.3109


227.5302, 0.3132,  
0.3191

 24.4855, 0.3135,  
0.3084

275.2659, 0.3131,  
0.3197

 15.6942, 0.3136,  
0.3053

329.2508, 0.3131,  
0.3202

 9.3080, 0.3137,  
0.3009

389.8692, 0.3131,

 4.9426, 0.3138,

0.3207

0.2947

457.5055, 0.3131,  
0.3211

■ 2.2136, 0.3138,  
0.2848

■ 0.7274, 0.3146,  
0.2647

■ 91.3906, 0.3133,  
0.3156

■ 91.3906, 0.3133,  
0.3156

■ 77.3138, 0.3144,  
0.2906

99.9998, 0.3127,  
0.3290

■ 65.2588, 0.3155,  
0.2653

■ 55.1362, 0.3165,  
0.2407

■ 46.8453, 0.3174,  
0.2177

■ 40.2765, 0.3183,  
0.1972

■ 35.3082, 0.3189,  
0.1802

■ 31.8033, 0.3194,  
0.1674

■ 29.6013, 0.3196,  
0.1589

■ 28.5042, 0.3197,  
0.1545

# Harmonies

## Analogous

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



91.3906, 0.3038, 0.3126



91.3906, 0.3133, 0.3156



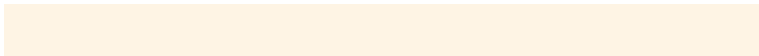
91.3906, 0.3228, 0.3221

# Triad

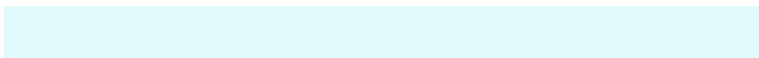
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.3906, 0.3133, 0.3156



91.3906, 0.3289, 0.3442



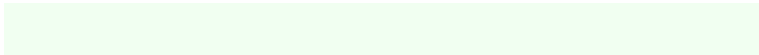
91.3906, 0.2961, 0.3273

# Complementary

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



91.3906, 0.3133, 0.3156



96.5888, 0.3121, 0.3428

# Split Complementary

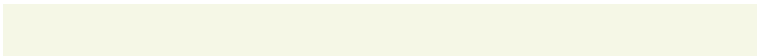
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3906, 0.3026, 0.3361



91.3906, 0.3133, 0.3156



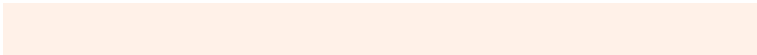
91.3906, 0.3215, 0.3460

# Square

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



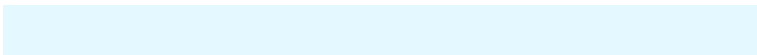
91.3906, 0.3133, 0.3156



91.3906, 0.3319, 0.3385



91.3906, 0.3119, 0.3430



91.3906, 0.2940, 0.3191

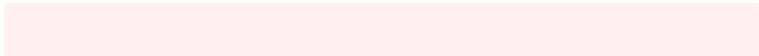


# Rectangle

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



91.3906, 0.3133, 0.3156



91.3906, 0.3278, 0.3275



91.3906, 0.3119, 0.3430



91.3906, 0.2979, 0.3303

# Sweetspot

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



91.3945, 0.3133, 0.3156



96.7843, 0.3129, 0.3241



88.9922, 0.3044, 0.3154



20.7495, 0.3129, 0.3244



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.



91.3945, 0.3133, 0.3156



89.1186, 0.3135, 0.3118



90.9804, 0.3175, 0.3220



18.8846, 0.3135, 0.3103



14.7594, 0.3197, 0.1535



1.4385, 0.3198, 0.1536



# Inverse Universe

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



90.5446, 0.3219, 0.3290



88.0436, 0.3246, 0.3290



96.9877, 0.3082, 0.3361



18.6357, 0.3258, 0.3289



11.1109, 0.6396, 0.3297



1.0823, 0.6384, 0.3290



# Previews

## White Background



This preview shows how the Yxy color 91.3906, 0.3133, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

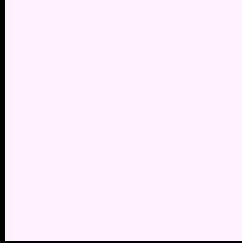
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.3906, 0.3133, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

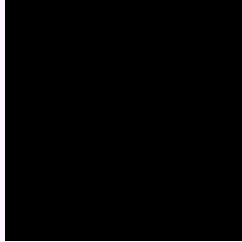
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.3906, 0.3133, 0.3156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3906, 0.3133, 0.3156.



This preview shows how white text looks on a background with the Yxy color 91.3906, 0.3133, 0.3156.

# 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

91.3906, 0.3133, 0.3156

### Protanopia

91.5142, 0.3075, 0.3183

### Deuteranopia

91.1356, 0.3158, 0.3194



## Tritanopia

91.4197, 0.3114, 0.3165

# Trichromacy



## Original Color

91.3906, 0.3133, 0.3156

## Protanomaly

91.4609, 0.3094, 0.3174

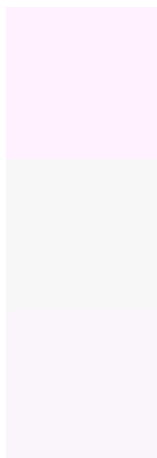
## Deuteranomaly

91.1989, 0.3152, 0.3184

## Tritanomaly

91.6069, 0.3120, 0.3165

# Monochromacy



## Original Color

91.3906, 0.3133, 0.3156

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

92.5309, 0.3129, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3906, 0.3133, 0.3156 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 255)  
}
```

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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3906, 0.3133, 0.3156 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, 241, 255) }
```

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

```
.border{ border-color:rgb(255, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3906, 0.3133, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 255) }
```

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

```
.background{ background-color: rgb(255,  
241, 255) }
```

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