

# Converting Colors

$Y_{xy}(116.7871, 0.2970, 0.2414)$

Have a look what the booklet for  
Yxy(116.7871, 0.2970, 0.2414)  
contains.

<b>Yxy(91.9843, 0.3133, 0.3165)</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(91.9843, 0.3133, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2FF
RGB	255, 242, 255
RGB Percent	100%, 95%, 100%
CMY	0.0000, 0.0510, 0.0000
CMYK	0.00, 0.05, 0.00, 0.00
HSL	300°, 100%, 97%
HSV	300°, 5%, 100%
XYZ	91.0543, 91.9843, 107.5911
YIQ	247.3690, 3.5750, 6.7990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 242, 255
Decimal	16773887
CIE <sub>Lab</sub>	96.81, 6.63, -4.70
CIE <sub>LCh</sub>	97, 8.128, 324.678
Yxy	91.9843, 0.3133, 0.3165
Android (android.graphics.Color)	4294963967 (0xFFFFF2FF)
YUV	247.3690, 3.7621, 6.6924
Hunter-Lab	95.9084, 1.6259, 0.6238

# Details

The Yxy color 91.9843, 0.3133, 0.3165 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.8064, 0.3121, 0.3418, and the grayscale version is 93.2901, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.2008, 0.3134, 0.3144 is the 20% darker color. If you saturate the color by 10%, you get 77.8449, 0.3145, 0.2915, and if you desaturate by 10%, it is 100.0000, 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 91.9843, 0.3133, 0.3165 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 91.9843, 0.3133, 0.3165 by changing the saturation by 10% instead.



 91.9843, 0.3133,  
0.3165

 91.9843, 0.3133,  
0.3165


534.4648, 0.3131,  
0.3220

 69.6276, 0.3133,  
0.3153


150.0916, 0.3132,  
0.3184

 51.2230, 0.3134,  
0.3139


186.6110, 0.3132,  
0.3191

 36.3861, 0.3135,  
0.3121


228.6201, 0.3132,  
0.3197

 24.7325, 0.3135,  
0.3098

276.5033, 0.3131,  
0.3203

 15.8779, 0.3136,  
0.3069

330.6450, 0.3131,  
0.3208

 9.4378, 0.3137,  
0.3028

391.4295, 0.3131,

 5.0278, 0.3138,

0.3212

0.2970

459.2413, 0.3131,  
0.3216

■ 2.2636, 0.3139,  
0.2879

■ 0.7543, 0.3145,  
0.2698

■ 91.9843, 0.3133,  
0.3165

■ 91.9843, 0.3133,  
0.3165

■ 77.8449, 0.3145,  
0.2915

100.0000, 0.3127,  
0.3290

■ 65.7387, 0.3157,  
0.2663

■ 55.5686, 0.3168,  
0.2417

■ 47.2342, 0.3179,  
0.2187

■ 40.6262, 0.3189,  
0.1982

■ 35.6236, 0.3197,  
0.1811

■ 32.0899, 0.3203,  
0.1682

■ 29.8658, 0.3207,  
0.1597

■ 28.7551, 0.3209,  
0.1553

# Harmonies

## Analogous

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



91.9843, 0.3044, 0.3137



91.9843, 0.3133, 0.3165



91.9843, 0.3221, 0.3226

# Triad

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



91.9843, 0.3133, 0.3165



91.9843, 0.3278, 0.3432



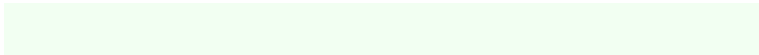
91.9843, 0.2972, 0.3274

# Complementary

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



91.9843, 0.3133, 0.3165



96.8064, 0.3121, 0.3418

# 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.



91.9843, 0.3033, 0.3356



91.9843, 0.3133, 0.3165



91.9843, 0.3209, 0.3448

# Square

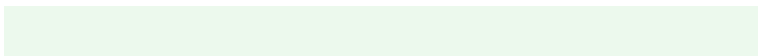
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



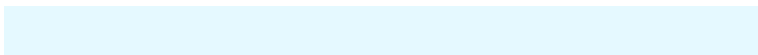
91.9843, 0.3133, 0.3165



91.9843, 0.3306, 0.3379



91.9843, 0.3119, 0.3420



91.9843, 0.2952, 0.3198

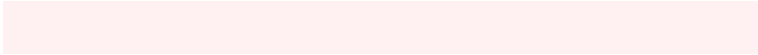


# Rectangle

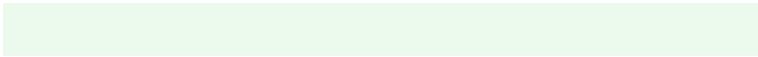
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.9843, 0.3133, 0.3165



91.9843, 0.3268, 0.3277



91.9843, 0.3119, 0.3420



91.9843, 0.2988, 0.3302

# Sweetspot

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



91.9802, 0.3133, 0.3165



96.7891, 0.3129, 0.3241



89.5963, 0.3050, 0.3162



20.7505, 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.



91.9802, 0.3133, 0.3165



90.6237, 0.3134, 0.3143



91.5684, 0.3173, 0.3227



19.1886, 0.3135, 0.3127



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

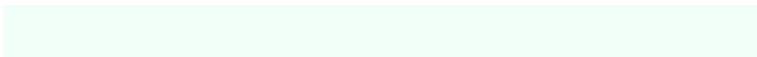
The Inverse Universe completely reimagines the original color for something new.



91.9802, 0.3133, 0.3165



90.6237, 0.3134, 0.3143



97.2042, 0.3084, 0.3353



19.1886, 0.3135, 0.3127



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 91.9843, 0.3133, 0.3165 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 91.9843, 0.3133, 0.3165 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 91.9843, 0.3133, 0.3165**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9843, 0.3133, 0.3165.



This preview shows how white text looks on a background with the Yxy color 91.9843, 0.3133, 0.3165.

# 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

91.9843, 0.3133, 0.3165

### Protanopia

92.2990, 0.3081, 0.3193

### Deuteranopia

91.6664, 0.3163, 0.3213



## Tritanopia

92.0166, 0.3113, 0.3174

# Trichromacy



## Original Color

91.9843, 0.3133, 0.3165

## Protanomaly

92.2454, 0.3100, 0.3184

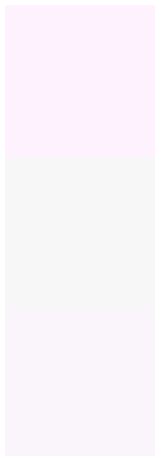
## Deuteranomaly

91.7925, 0.3151, 0.3194

## Tritanomaly

92.2038, 0.3120, 0.3175

# Monochromacy



## Original Color

91.9843, 0.3133, 0.3165

## 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 91.9843, 0.3133, 0.3165 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9843, 0.3133, 0.3165 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, 242, 255) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9843, 0.3133, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 255) }
```

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

```
.background{ background-color: rgb(255,  
242, 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](#).

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