

# Converting Colors

$Yxy(92.0482, 0.3141, 0.3180)$

Have a look what the booklet for  
Yxy(92.0482, 0.3141, 0.3180)  
contains.

<b>Yxy(91.9200, 0.3139, 0.3175)</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(91.9200, 0.3139, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2FE
RGB	255, 242, 254
RGB Percent	100%, 95%, 100%
CMY	0.0000, 0.0509, 0.0039
CMYK	0.00, 0.05, 0.00, 0.00
HSL	305°, 100%, 97%
HSV	305°, 5%, 100%
XYZ	90.8778, 91.9200, 106.7141
YIQ	247.2550, 3.8960, 6.4880

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">255, 242, 254</a>
Decimal	<a href="#">16773886</a>
CIELab	<a href="#">96.79, 6.43, -4.20</a>
CIELCh	<a href="#">97, 7.678, 326.821</a>
Yxy	<a href="#">91.9200, 0.3139, 0.3175</a>
Android (android.graphics.Color)	<a href="#">4294963966</a> ( <a href="#">0xFFFFF2FE</a> )
YUV	<a href="#">247.2550, 3.3253, 6.7924</a>
Hunter-Lab	<a href="#">95.8749, 1.4152, 1.1194</a>

# Details

The Yxy color 91.9200, 0.3139, 0.3175 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.8642, 0.3115, 0.3408, and the grayscale version is 93.2016, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.1548, 0.3142, 0.3156 is the 20% darker color. If you saturate the color by 10%, you get 77.6632, 0.3164, 0.2943, and if you desaturate by 10%, it is 99.9982, 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 91.9200, 0.3139, 0.3175 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 91.9200, 0.3139, 0.3175 by changing the saturation by 10% instead.




 91.9200, 0.3139,  
0.3175

 91.9200, 0.3139,  
0.3175


534.2569, 0.3134,  
0.3226

 69.5742, 0.3140,  
0.3164

150.0025, 0.3137,  
0.3192

 51.1795, 0.3141,  
0.3151

186.5080, 0.3137,  
0.3199

 36.3515, 0.3143,  
0.3134


228.5022, 0.3136,  
0.3205

 24.7058, 0.3145,  
0.3113

276.3694, 0.3136,  
0.3210

 15.8580, 0.3147,  
0.3086

330.4941, 0.3135,  
0.3215

 9.4237, 0.3150,  
0.3049

391.2607, 0.3135,

 5.0186, 0.3155,

0.3219

0.2995

459.0535, 0.3134,  
0.3222

■ 2.2582, 0.3161,  
0.2910

■ 0.7514, 0.3178,  
0.2740

■ 91.9200, 0.3139,  
0.3175

■ 91.9200, 0.3139,  
0.3175

■ 77.6632, 0.3164,  
0.2943

99.9982, 0.3127,  
0.3290

■ 65.4329, 0.3192,  
0.2708

■ 55.1398, 0.3222,  
0.2476

■ 46.6836, 0.3254,  
0.2258

■ 39.9551, 0.3286,  
0.2062

■ 34.8332, 0.3319,  
0.1899

■ 31.1815, 0.3349,  
0.1776

■ 28.8406, 0.3378,  
0.1697

■ 27.6146, 0.3404,  
0.1661

# Harmonies

## Analogous

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



91.9200, 0.3054, 0.3146



91.9200, 0.3139, 0.3175



91.9200, 0.3222, 0.3234

# Triad

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



91.9200, 0.3139, 0.3175



91.9200, 0.3266, 0.3427



91.9200, 0.2978, 0.3269

# Complementary

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



91.9200, 0.3139, 0.3175



96.8642, 0.3115, 0.3408

# Split Complementary

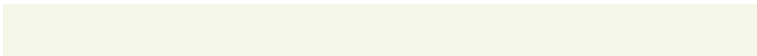
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9200, 0.3033, 0.3347



91.9200, 0.3139, 0.3175



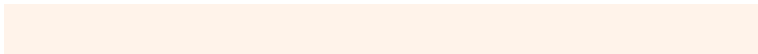
91.9200, 0.3199, 0.3439

# Square

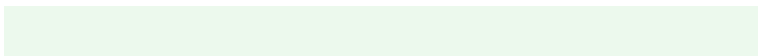
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



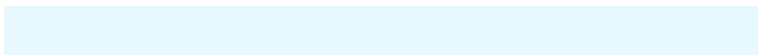
91.9200, 0.3139, 0.3175



91.9200, 0.3295, 0.3379



91.9200, 0.3114, 0.3409



91.9200, 0.2962, 0.3199



# Rectangle

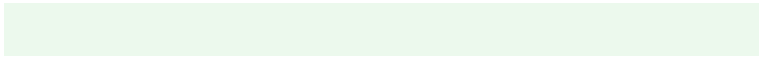
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



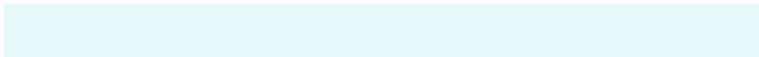
91.9200, 0.3139, 0.3175



91.9200, 0.3264, 0.3283



91.9200, 0.3114, 0.3409



91.9200, 0.2992, 0.3295

# Sweetspot

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



91.9240, 0.3139, 0.3175



96.7640, 0.3132, 0.3245



89.7622, 0.3055, 0.3162



20.7454, 0.3131, 0.3247



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.



91.9240, 0.3139, 0.3175



90.5484, 0.3141, 0.3154



91.5231, 0.3178, 0.3236



19.1708, 0.3143, 0.3139



14.2674, 0.3412, 0.1653



1.3960, 0.3386, 0.1639



# Inverse Universe

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



91.9240, 0.3139, 0.3175



90.5484, 0.3141, 0.3154



97.2553, 0.3079, 0.3345



19.1708, 0.3143, 0.3139



14.2674, 0.3412, 0.1653



1.3960, 0.3386, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 91.9200, 0.3139, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

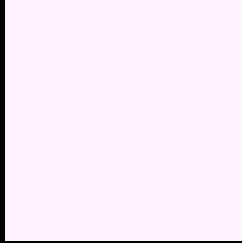
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.9200, 0.3139, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

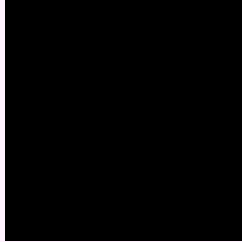
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.9200, 0.3139, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.9200, 0.3139, 0.3175.



This preview shows how white text looks on a background with the Yxy color 91.9200, 0.3139, 0.3175.

# 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

91.9200, 0.3139, 0.3175

### Protanopia

91.6955, 0.3081, 0.3183

### Deuteranopia

91.6664, 0.3163, 0.3213



## Tritanopia

92.0166, 0.3113, 0.3174

# Trichromacy



## Original Color

91.9200, 0.3139, 0.3175

## Protanomaly

91.6452, 0.3100, 0.3174

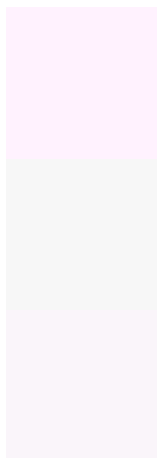
## Deuteranomaly

91.7293, 0.3157, 0.3203

## Tritanomaly

92.2038, 0.3120, 0.3175

# Monochromacy



## Original Color

91.9200, 0.3139, 0.3175

## 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 91.9200, 0.3139, 0.3175 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 91.9200, 0.3139, 0.3175 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, 254) }
```

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

```
.border{ border-color:rgb(255, 242, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.9200, 0.3139, 0.3175 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
242, 254) }
```

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