

# Converting Colors

$Yxy(90.4313, 0.3170, 0.3202)$

Have a look what the booklet for  
Yxy(90.4313, 0.3170, 0.3202)  
contains.

<b>Yxy(90.4197, 0.3171, 0.3203)</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(90.4197, 0.3171, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0F9
RGB	255, 240, 249
RGB Percent	100%, 94%, 98%
CMY	0.0000, 0.0589, 0.0235
CMYK	0.00, 0.06, 0.02, 0.00
HSL	324°, 100%, 97%
HSV	324°, 6%, 100%
XYZ	89.5163, 90.4197, 102.3609
YIQ	245.5110, 6.0510, 5.9790

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 240, 249
Decimal	16773369
CIE <sub>Lab</sub>	96.17, 6.61, -2.53
CIE <sub>LCh</sub>	96, 7.080, 339.092
Yxy	90.4197, 0.3171, 0.3203
Android (android.graphics.Color)	4294963449 (0xFFFFF0F9)
YUV	245.5110, 1.7201, 8.3219
Hunter-Lab	95.0893, 1.6324, 2.7385

# Details

The Yxy color 90.4197, 0.3171, 0.3203 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.6953, 0.3086, 0.3379, and the grayscale version is 91.7183, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.1370, 0.3174, 0.3180 is the 20% darker color. If you saturate the color by 10%, you get 75.8210, 0.3256, 0.3049, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (94%)

Blue (98%)



Red (100%)

Yellow (94%)

Blue (98%)



Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4197, 0.3171, 0.3203 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 90.4197, 0.3171, 0.3203 by changing the saturation by 10% instead.




 90.4197, 0.3171,  
0.3203

 90.4197, 0.3171,  
0.3203

529.3952, 0.3152,  
0.3242

 68.3288, 0.3175,  
0.3195


147.9212, 0.3164,  
0.3216

 50.1653, 0.3180,  
0.3184


184.1007, 0.3162,  
0.3221

 35.5447, 0.3187,  
0.3172


225.7450, 0.3160,  
0.3226

 24.0828, 0.3195,  
0.3156

273.2388, 0.3158,  
0.3230

 15.3950, 0.3205,  
0.3135

326.9663, 0.3156,  
0.3233

 9.0971, 0.3220,  
0.3106

387.3119, 0.3154,

 4.8046, 0.3241,

0.3236

0.3063

454.6601, 0.3153,  
0.3239

■ 2.1331, 0.3275,  
0.2996

■ 0.6831, 0.3358,  
0.2829

■ 90.4197, 0.3171,  
0.3203

■ 90.4197, 0.3171,  
0.3203

■ 75.8210, 0.3256,  
0.3049

100.0000, 0.3127,  
0.3290

■ 63.2864, 0.3357,  
0.2889

■ 52.7136, 0.3476,  
0.2729

■ 44.0010, 0.3614,  
0.2575

■ 37.0379, 0.3771,  
0.2437

■ 31.7017, 0.3943,  
0.2327

■ 27.8537, 0.4126,  
0.2256

■ 25.3319, 0.4313,  
0.2234

■ 23.9352, 0.4496,  
0.2267

# Harmonies

## Analogous

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



90.4197, 0.3091, 0.3163



90.4197, 0.3171, 0.3203



90.4197, 0.3240, 0.3265

# Triad

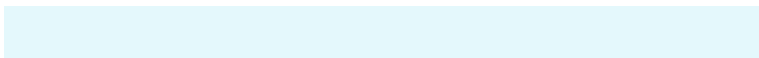
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4197, 0.3171, 0.3203



90.4197, 0.3234, 0.3426



90.4197, 0.2978, 0.3242

# Complementary

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



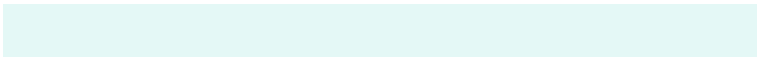
90.4197, 0.3171, 0.3203



96.6953, 0.3086, 0.3379

# 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.



90.4197, 0.3015, 0.3314



90.4197, 0.3171, 0.3203



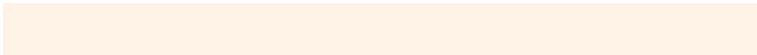
90.4197, 0.3162, 0.3421

# Square

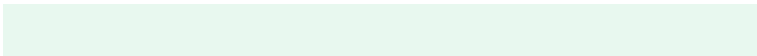
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



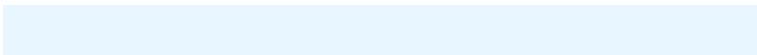
90.4197, 0.3171, 0.3203



90.4197, 0.3277, 0.3394



90.4197, 0.3082, 0.3380



90.4197, 0.2980, 0.3185



# Rectangle

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



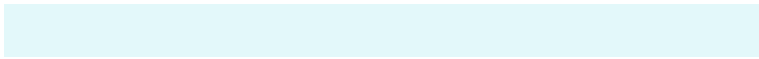
90.4197, 0.3171, 0.3203



90.4197, 0.3271, 0.3312



90.4197, 0.3082, 0.3380



90.4197, 0.2986, 0.3265

# Sweetspot

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



90.4116, 0.3171, 0.3203



96.6586, 0.3141, 0.3261



89.0777, 0.3074, 0.3143



20.7239, 0.3141, 0.3262



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.



90.4116, 0.3171, 0.3203



88.6848, 0.3179, 0.3186



89.9667, 0.3216, 0.3273



18.7839, 0.3184, 0.3177



12.3443, 0.4541, 0.2275



1.2235, 0.4347, 0.2168

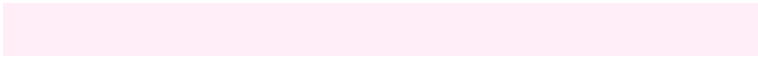


# Inverse Universe

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



90.4116, 0.3171, 0.3203



88.6848, 0.3179, 0.3186



97.1504, 0.3045, 0.3307



18.7839, 0.3184, 0.3177



12.3443, 0.4541, 0.2275

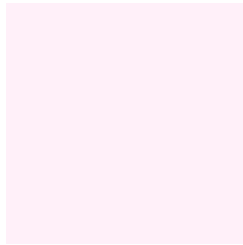


1.2235, 0.4347, 0.2168



# Previews

## White Background



This preview shows how the Yxy color 90.4197, 0.3171, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

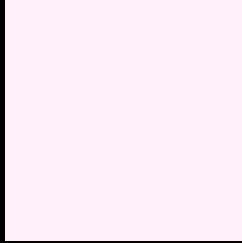
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.4197, 0.3171, 0.3203 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

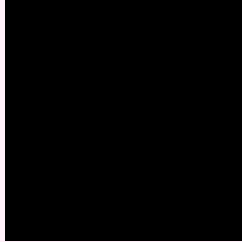
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.4197, 0.3171, 0.3203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.4197, 0.3171, 0.3203.

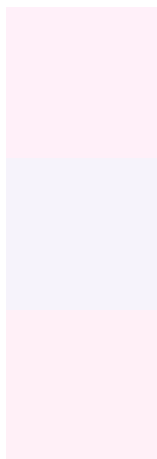


This preview shows how white text looks on a background with the Yxy color 90.4197, 0.3171, 0.3203.

# 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

90.4197, 0.3171, 0.3203

### Protanopia

90.6590, 0.3099, 0.3212

### Deuteranopia

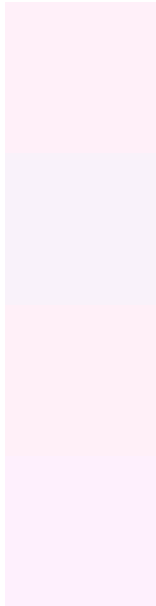
90.2956, 0.3183, 0.3222



## Tritanopia

90.6110, 0.3127, 0.3146

# Trichromacy



## Original Color

90.4197, 0.3171, 0.3203

## Protanomaly

90.5461, 0.3124, 0.3212

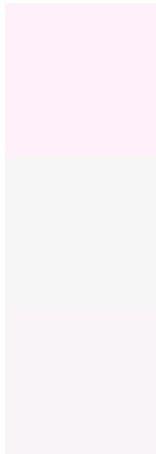
## Deuteranomaly

90.3575, 0.3177, 0.3213

## Tritanomaly

90.4829, 0.3140, 0.3165

# Monochromacy



## Original Color

90.4197, 0.3171, 0.3203

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

91.5565, 0.3141, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.4197, 0.3171, 0.3203 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, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 249)  
}
```

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, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 90.4197, 0.3171, 0.3203 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, 240, 249) }
```

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

```
.border{ border-color:rgb(255, 240, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.4197, 0.3171, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 249) }
```

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

```
.background{ background-color: rgb(255,  
240, 249) }
```

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