

# Converting Colors

$Yxy(90.5889, 0.3134, 0.3238)$

Have a look what the booklet for  
Yxy(90.5889, 0.3134, 0.3238)  
contains.

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# Color

**Yxy(90.2380, 0.3130, 0.3231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F2F8
RGB	248, 242, 248
RGB Percent	97%, 95%, 97%
CMY	0.0273, 0.0510, 0.0274
CMYK	0.00, 0.02, 0.00, 0.03
HSL	300°, 30%, 96%
HSV	300°, 2%, 97%
XYZ	87.4172, 90.2380, 101.6330
YIQ	244.4780, 1.6500, 3.1380

# Conversions

## Conversions Part 2

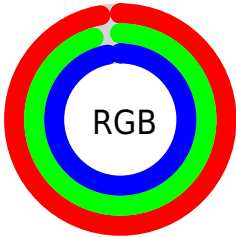
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 242, 248
Decimal	16315128
CIE <sub>Lab</sub>	96.10, 3.08, -2.19
CIE <sub>LCh</sub>	96, 3.777, 324.545
Yxy	90.2380, 0.3130, 0.3231
Android (android.graphics.Color)	4294505208 (0xFF8F2F8)
YUV	244.4780, 1.7363, 3.0888
Hunter-Lab	94.9937, -1.9757, 3.0617

# Details

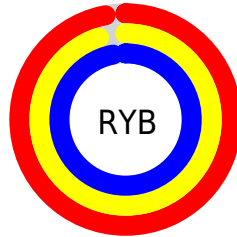
The Yxy color 90.2380, 0.3130, 0.3231 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.4419, 0.3124, 0.3350, and the grayscale version is 90.8610, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.1300, 0.3131, 0.3215 is the 20% darker color. If you saturate the color by 10%, you get 76.4625, 0.3142, 0.2983, and if you desaturate by 10%, it is 98.2637, 0.3124, 0.3357.

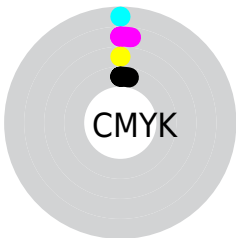
# Distribution



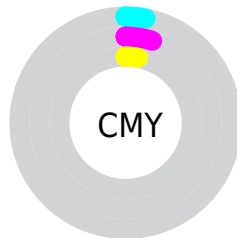
- Red (97%)
- Green (95%)
- Blue (97%)



- Red (97%)
- Yellow (95%)
- Blue (97%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (3%)
- Magenta (5%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2380, 0.3130, 0.3231 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 90.2380, 0.3130, 0.3231 by changing the saturation by 10% instead.




 90.2380, 0.3130,  
0.3231

 90.2380, 0.3130,  
0.3231

528.8048, 0.3129,  
0.3257

 68.1781, 0.3130,  
0.3225

147.6689, 0.3130,  
0.3240

 50.0426, 0.3131,  
0.3218


183.8087, 0.3129,  
0.3243

 35.4473, 0.3131,  
0.3210


225.4106, 0.3129,  
0.3246

 24.0076, 0.3131,  
0.3199

272.8589, 0.3129,  
0.3249

 15.3393, 0.3132,  
0.3184

326.5381, 0.3129,  
0.3252

 9.0578, 0.3133,  
0.3164

386.8325, 0.3129,

 4.7789, 0.3134,

0.3254

0.3135

454.1266, 0.3129,  
0.3256

■ 2.1181, 0.3135,  
0.3088

■ 0.6748, 0.3144,  
0.2961

■ 90.2380, 0.3130,  
0.3231

■ 90.2380, 0.3130,  
0.3231

■ 76.4625, 0.3142,  
0.2983

■ 98.2637, 0.3124,  
0.3357

■ 64.6052, 0.3154,  
0.2732

■ 98.2665, 0.3124,  
0.3357

■ 54.5847, 0.3166,  
0.2484

■ 98.2694, 0.3123,  
0.3356

■ 46.3091, 0.3178,  
0.2249

■ 98.2722, 0.3123,  
0.3356

39.6787, 0.3188,  
0.2037

98.2750, 0.3123,  
0.3355

34.5836, 0.3197,  
0.1857

98.2778, 0.3123,  
0.3355

30.9007, 0.3204,  
0.1716

98.2806, 0.3122,  
0.3354

28.4879, 0.3209,  
0.1618

98.2834, 0.3122,  
0.3354

27.1735, 0.3213,  
0.1563

98.2863, 0.3122,  
0.3354

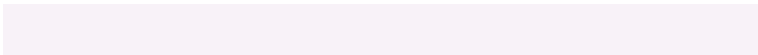
# Harmonies

## Analogous

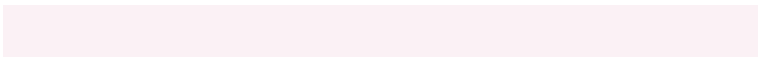
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2380, 0.3088, 0.3218



90.2380, 0.3130, 0.3231



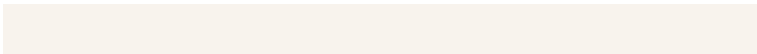
90.2380, 0.3171, 0.3260

# Triad

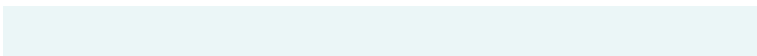
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2380, 0.3130, 0.3231



90.2380, 0.3198, 0.3357



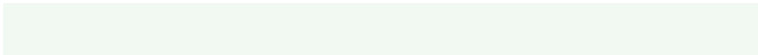
90.2380, 0.3054, 0.3283

# Complementary

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



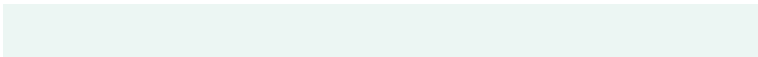
90.2380, 0.3130, 0.3231



92.4419, 0.3124, 0.3350

# 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.



90.2380, 0.3083, 0.3321



90.2380, 0.3130, 0.3231



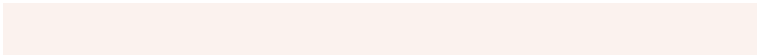
90.2380, 0.3166, 0.3364

# Square

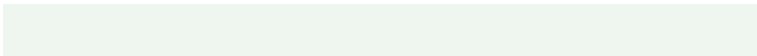
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



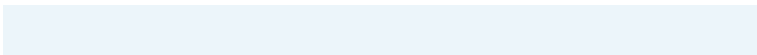
90.2380, 0.3130, 0.3231



90.2380, 0.3210, 0.3332



90.2380, 0.3124, 0.3350



90.2380, 0.3045, 0.3248

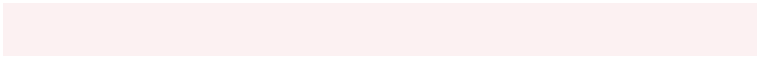


# Rectangle

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



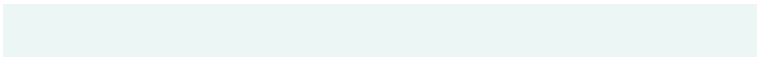
90.2380, 0.3130, 0.3231



90.2380, 0.3193, 0.3284



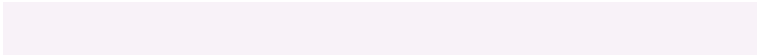
90.2380, 0.3124, 0.3350



90.2380, 0.3062, 0.3296

# Sweetspot

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



90.2419, 0.3130, 0.3231



98.3835, 0.3128, 0.3266



89.1565, 0.3091, 0.3230



21.0751, 0.3128, 0.3267



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.



90.2419, 0.3130, 0.3231



95.2149, 0.3131, 0.3217



90.0566, 0.3148, 0.3260



19.2568, 0.3132, 0.3198



14.4267, 0.3214, 0.1544

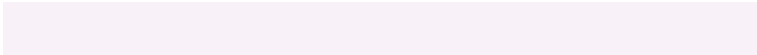


1.3363, 0.3213, 0.1544



# Inverse Universe

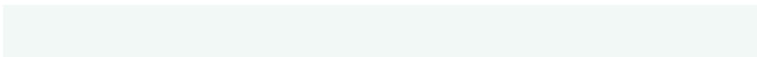
The Inverse Universe completely reimagines the original color for something new.



90.2419, 0.3130, 0.3231



95.2149, 0.3131, 0.3217



92.6241, 0.3107, 0.3320



19.2568, 0.3132, 0.3198



14.4267, 0.3214, 0.1544

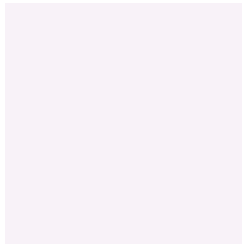


1.3363, 0.3213, 0.1544



# Previews

## White Background



This preview shows how the Yxy color 90.2380, 0.3130, 0.3231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

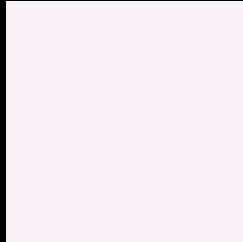
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2380, 0.3130, 0.3231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

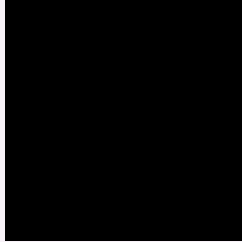
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

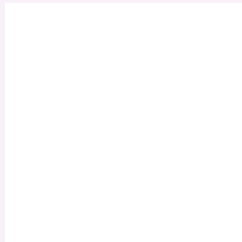
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.2380, 0.3130, 0.3231**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2380, 0.3130, 0.3231.

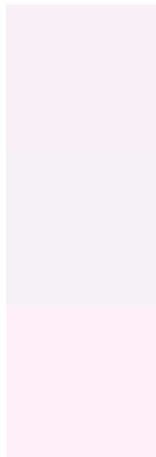


This preview shows how white text looks on a background with the Yxy color 90.2380, 0.3130, 0.3231.

# 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

90.2380, 0.3130, 0.3231

### Protanopia

90.0557, 0.3123, 0.3231

### Deuteranopia

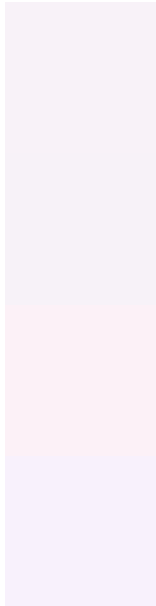
90.2956, 0.3183, 0.3222



## Tritanopia

90.0871, 0.3088, 0.3154

# Trichromacy



## Original Color

90.2380, 0.3130, 0.3231

## Protanomaly

90.0557, 0.3123, 0.3231

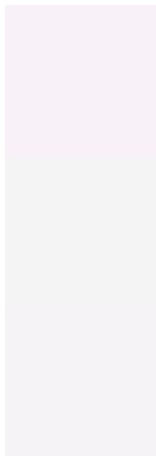
## Deuteranomaly

90.3214, 0.3163, 0.3232

## Tritanomaly

89.8953, 0.3106, 0.3183

# Monochromacy



## Original Color

90.2380, 0.3130, 0.3231

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.1062, 0.3128, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.2380, 0.3130, 0.3231 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(248, 242, 248)` looks like.

```
.text, #text, p{  
    color:rgb(248, 242, 248)  
}
```

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(248, 242, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 242, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2380, 0.3130, 0.3231 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(248, 242, 248) }
```

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

```
.border{ border-color:rgb(248, 242, 248) }
```

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

Here you see how a box with a 4 pixel rgb(248, 242, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 242, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 242, 248);  
box-shadow:4px 4px 4px 4px rgb(248, 242,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2380, 0.3130, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 242, 248) }
```

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

```
.background{ background-color: rgb(248,  
242, 248) }
```

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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