

# Converting Colors

$Y_{xy}(89.6230, 0.3099, 0.3141)$

Have a look what the booklet for  
Yxy(89.6230, 0.3099, 0.3141)  
contains.

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# Color

**Yxy(89.8642, 0.3101, 0.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF0FF
RGB	250, 240, 255
RGB Percent	98%, 94%, 100%
CMY	0.0200, 0.0587, 0.0001
CMYK	0.02, 0.06, 0.00, 0.00
HSL	280°, 100%, 97%
HSV	280°, 6%, 100%
XYZ	88.6070, 89.8642, 107.2656
YIQ	244.7000, 1.1450, 6.7850

# Conversions

## Conversions Part 2

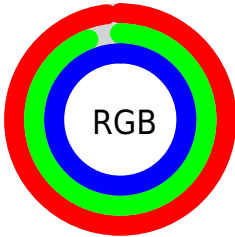
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 240, 255
Decimal	16445695
CIE Lab	95.94, 5.94, -6.00
CIE LCh	96, 8.446, 314.695
Yxy	89.8642, 0.3101, 0.3145
Android (android.graphics.Color)	4294635775 (0xFFFAF0FF)
YUV	244.7000, 5.0779, 4.6481
Hunter-Lab	94.7967, 0.9505, -0.7308

# Details

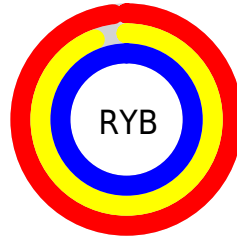
The Yxy color 89.8642, 0.3101, 0.3145 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.2334, 0.3152, 0.3436, and the grayscale version is 91.0077, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.8275, 0.3102, 0.3117 is the 20% darker color. If you saturate the color by 10%, you get 74.3308, 0.3050, 0.2884, and if you desaturate by 10%, it is 99.9988, 0.3127, 0.3290.

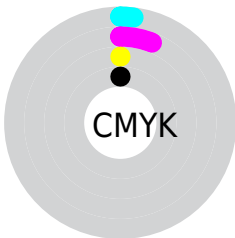
# Distribution



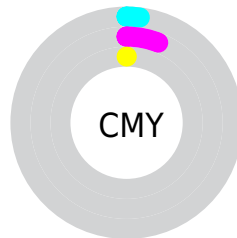
- Red (98%)
- Green (94%)
- Blue (100%)



- Red (98%)
- Yellow (94%)
- Blue (100%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8642, 0.3101, 0.3145 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 89.8642, 0.3101, 0.3145 by changing the saturation by 10% instead.




 89.8642, 0.3101,  
0.3145

 89.8642, 0.3101,  
0.3145


527.5890, 0.3113,  
0.3209

 67.8680, 0.3098,  
0.3131


147.1497, 0.3105,  
0.3167

 49.7904, 0.3095,  
0.3114

183.2079, 0.3107,  
0.3175

 35.2469, 0.3091,  
0.3093


224.7222, 0.3108,  
0.3183

 23.8531, 0.3086,  
0.3067

272.0769, 0.3109,  
0.3189

 15.2247, 0.3078,  
0.3032

325.6566, 0.3110,  
0.3195

 8.9772, 0.3068,  
0.2984

385.8456, 0.3111,

 4.7263, 0.3053,

0.3200

0.2915

453.0283, 0.3112,  
0.3205

■ 2.0876, 0.3027,  
0.2806

■ 0.6576, 0.2992,  
0.2555

■ 89.8642, 0.3101,  
0.3145

■ 89.8642, 0.3101,  
0.3145

■ 74.3308, 0.3050,  
0.2884

99.9988, 0.3127,  
0.3290

■ 60.8879, 0.2989,  
0.2610

■ 49.4448, 0.2919,  
0.2329

■ 39.8996, 0.2840,  
0.2051

■ 32.1410, 0.2754,  
0.1787

■ 26.0461, 0.2662,  
0.1550

■ 21.4758, 0.2569,  
0.1352

■ 18.2676, 0.2477,  
0.1201

■ 16.2204, 0.2389,  
0.1101

# Harmonies

## Analogous

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



89.8642, 0.3014, 0.3129



89.8642, 0.3101, 0.3145



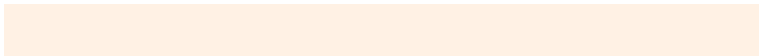
89.8642, 0.3197, 0.3199

# Triad

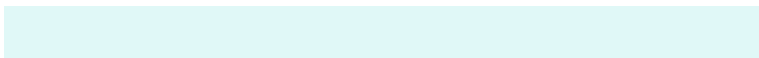
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8642, 0.3101, 0.3145



89.8642, 0.3300, 0.3424



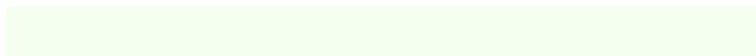
89.8642, 0.2982, 0.3302

# Complementary

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



89.8642, 0.3101, 0.3145



97.2334, 0.3152, 0.3436

# 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.



89.8642, 0.3057, 0.3384



89.8642, 0.3101, 0.3145



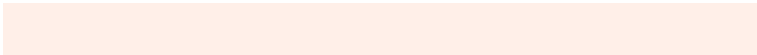
89.8642, 0.3241, 0.3455

# Square

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



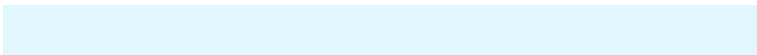
89.8642, 0.3101, 0.3145



89.8642, 0.3313, 0.3358



89.8642, 0.3151, 0.3441

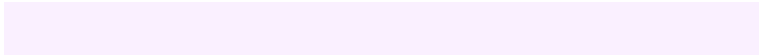


89.8642, 0.2945, 0.3218



# Rectangle

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



89.8642, 0.3101, 0.3145



89.8642, 0.3252, 0.3249



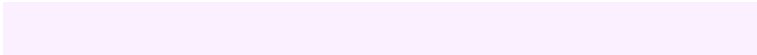
89.8642, 0.3151, 0.3441



89.8642, 0.3003, 0.3331

# Sweetspot

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



89.8681, 0.3101, 0.3145



96.4622, 0.3119, 0.3241



91.2174, 0.3037, 0.3194



20.6840, 0.3119, 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.



89.8681, 0.3101, 0.3145



88.0042, 0.3096, 0.3116



90.6738, 0.3148, 0.3168



18.6259, 0.3093, 0.3101



8.2337, 0.2367, 0.1078



0.8619, 0.2464, 0.1131



# Inverse Universe

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



90.1978, 0.3194, 0.3241



88.3990, 0.3209, 0.3231



96.4671, 0.3107, 0.3415



18.7178, 0.3216, 0.3226



11.4895, 0.5624, 0.2872

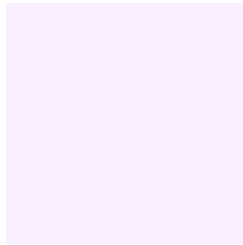


1.1382, 0.5307, 0.2697



# Previews

## White Background



This preview shows how the Yxy color 89.8642, 0.3101, 0.3145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

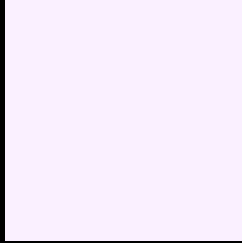
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8642, 0.3101, 0.3145 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

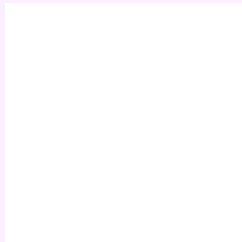
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.8642, 0.3101, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8642, 0.3101, 0.3145.



This preview shows how white text looks on a background with the Yxy color 89.8642, 0.3101, 0.3145.

# 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

89.8642, 0.3101, 0.3145

### Protanopia

89.9574, 0.3062, 0.3163

### Deuteranopia

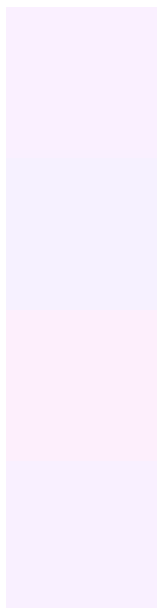
89.9580, 0.3159, 0.3174



## Tritanopia

89.6799, 0.3095, 0.3144

# Trichromacy



## Original Color

89.8642, 0.3101, 0.3145

## Protanomaly

89.7234, 0.3075, 0.3153

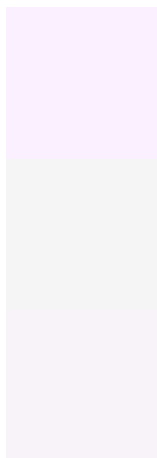
## Deuteranomaly

89.6439, 0.3140, 0.3164

## Tritanomaly

89.6799, 0.3095, 0.3144

# Monochromacy



## Original Color

89.8642, 0.3101, 0.3145

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

90.7149, 0.3117, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8642, 0.3101, 0.3145 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(250, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 240, 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(250, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8642, 0.3101, 0.3145 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(250, 240, 255) }
```

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

```
.border{ border-color:rgb(250, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8642, 0.3101, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 240, 255) }
```

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

```
.background{ background-color: rgb(250,  
240, 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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