

# Converting Colors

$Yxy(90.0078, 0.3061, 0.3172)$

Have a look what the booklet for  
Yxy(90.0078, 0.3061, 0.3172)  
contains.

<b>Yxy(89.7147, 0.3062, 0.3172)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(89.7147, 0.3062, 0.3172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F2FE
RGB	243, 242, 254
RGB Percent	95%, 95%, 100%
CMY	0.0470, 0.0510, 0.0039
CMYK	0.04, 0.05, 0.00, 0.00
HSL	245°, 86%, 97%
HSV	245°, 5%, 100%
XYZ	86.6035, 89.7147, 106.5150
YIQ	243.6670, -3.2560, 3.9440

# Conversions

## Conversions Part 2

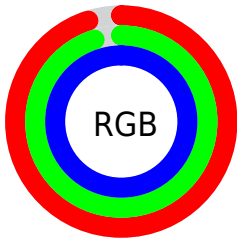
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 242, 254
Decimal	15987454
CIE <sub>Lab</sub>	95.88, 2.50, -5.65
CIE <sub>LCh</sub>	96, 6.174, 293.873
Y <sub>xy</sub>	89.7147, 0.3062, 0.3172
Android (android.graphics.Color)	4294177534 (0xFFFF3F2FE)
Y <sub>UV</sub>	243.6670, 5.0942, -0.5850
Hunter-Lab	94.7178, -2.5480, -0.3721

# Details

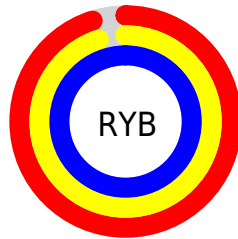
The Yxy color 89.7147, 0.3062, 0.3172 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.1762, 0.3191, 0.3406, and the grayscale version is 90.1501, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.7138, 0.3052, 0.3152 is the 20% darker color. If you saturate the color by 10%, you get 71.7498, 0.2909, 0.2898, and if you desaturate by 10%, it is 99.9356, 0.3133, 0.3300.

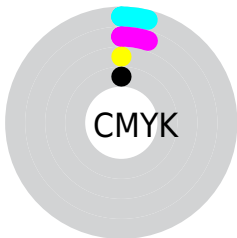
# Distribution



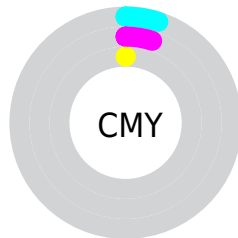
- Red (95%)
- Green (95%)
- Blue (100%)



- Red (95%)
- Yellow (95%)
- Blue (100%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7147, 0.3062, 0.3172 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 89.7147, 0.3062, 0.3172 by changing the saturation by 10% instead.



 89.7147, 0.3062,  
0.3172

 89.7147, 0.3062,  
0.3172

527.1023, 0.3091,  
0.3224

 67.7440, 0.3056,  
0.3161

146.9420, 0.3072,  
0.3190

 49.6895, 0.3048,  
0.3147

182.9675, 0.3076,  
0.3197

 35.1668, 0.3038,  
0.3129


224.4467, 0.3079,  
0.3203

 23.7914, 0.3025,  
0.3107

271.7640, 0.3082,  
0.3208

 15.1789, 0.3009,  
0.3078

325.3038, 0.3085,  
0.3213

 8.9451, 0.2986,  
0.3039

385.4506, 0.3087,

 4.7054, 0.2952,

0.3217

0.2980

452.5886, 0.3089,  
0.3221

■ 2.0754, 0.2897,  
0.2887

■ 0.6508, 0.2785,  
0.2667

■ 89.7147, 0.3062,  
0.3172

■ 89.7147, 0.3062,  
0.3172

■ 71.7498, 0.2909,  
0.2898

99.9356, 0.3133,  
0.3300

■ 56.3006, 0.2736,  
0.2592

■ 43.2581, 0.2545,  
0.2258

■ 32.5011, 0.2341,  
0.1908

■ 23.8975, 0.2134,  
0.1559

■ 17.3020, 0.1937,  
0.1235

■ 12.5510, 0.1765,  
0.0961

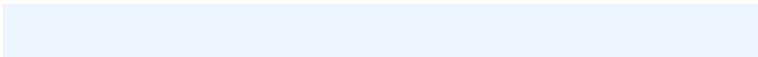
■ 9.4553, 0.1632,  
0.0761

■ 7.7843, 0.1547,  
0.0645

# Harmonies

## Analogous

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



89.7147, 0.3012, 0.3182



89.7147, 0.3062, 0.3172



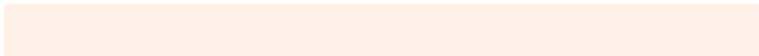
89.7147, 0.3130, 0.3193

# Triad

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



89.7147, 0.3062, 0.3172



89.7147, 0.3264, 0.3357



89.7147, 0.3057, 0.3342

# Complementary

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



89.7147, 0.3062, 0.3172



98.1762, 0.3191, 0.3406

# Split Complementary

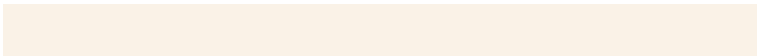
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7147, 0.3123, 0.3390



89.7147, 0.3062, 0.3172



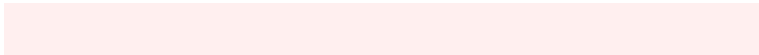
89.7147, 0.3243, 0.3398

# Square

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



89.7147, 0.3062, 0.3172



89.7147, 0.3247, 0.3299



89.7147, 0.3192, 0.3411



89.7147, 0.3009, 0.3280



# Rectangle

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



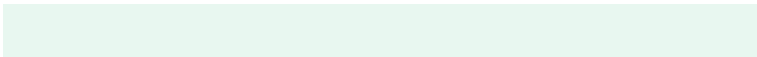
89.7147, 0.3062, 0.3172



89.7147, 0.3176, 0.3222



89.7147, 0.3192, 0.3411



89.7147, 0.3078, 0.3360

# Sweetspot

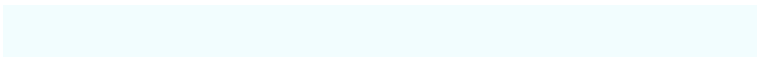
The Sweet Spot groups the original color and five complimentary colors.



89.7185, 0.3062, 0.3172



97.9431, 0.3114, 0.3266



96.4098, 0.3053, 0.3282



20.9855, 0.3114, 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.



89.7185, 0.3062, 0.3172



88.0596, 0.3044, 0.3139



90.7665, 0.3099, 0.3173



18.5825, 0.3034, 0.3122



3.8820, 0.1526, 0.0614



0.4015, 0.1582, 0.0645



# Inverse Universe

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



91.6700, 0.3139, 0.3184



90.5420, 0.3142, 0.3155



97.1044, 0.3154, 0.3407



19.1692, 0.3143, 0.3140



14.2174, 0.3430, 0.1663

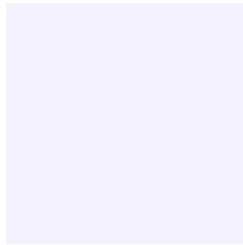


1.3917, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 89.7147, 0.3062, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

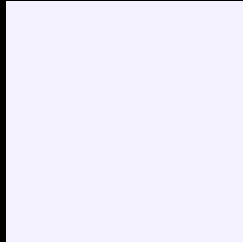
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7147, 0.3062, 0.3172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

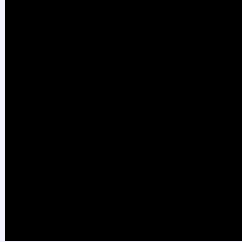
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

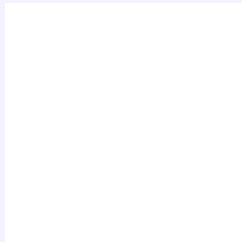
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7147, 0.3062, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7147, 0.3062, 0.3172.



This preview shows how white text looks on a background with the Yxy color 89.7147, 0.3062, 0.3172.

# 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

89.7147, 0.3062, 0.3172

### Protanopia

89.8931, 0.3068, 0.3172

### Deuteranopia

89.3741, 0.3159, 0.3165



## Tritanopia

89.9574, 0.3062, 0.3163

# Trichromacy



## Original Color

89.7147, 0.3062, 0.3172

## Protanomaly

89.8931, 0.3068, 0.3172

## Deuteranomaly

89.2705, 0.3127, 0.3164

## Tritanomaly

89.9574, 0.3062, 0.3163

# Monochromacy



## Original Color

89.7147, 0.3062, 0.3172

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.1116, 0.3104, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7147, 0.3062, 0.3172 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(243, 242, 254)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 242, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7147, 0.3062, 0.3172 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(243, 242, 254) }
```

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

```
.border{ border-color:rgb(243, 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(243, 242, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 254);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7147, 0.3062, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 242, 254) }
```

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

```
.background{ background-color: rgb(243,  
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](#).

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