

Converting Colors

$Yxy(86.9861, 0.3112, 0.3092)$

Have a look what the booklet for
Yxy(86.9861, 0.3112, 0.3092)
contains.

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Color

Yxy(87.1459, 0.3110, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FBEBFF</code>
RGB	251, 235, 255
RGB Percent	98%, 92%, 100%
CMY	0.0157, 0.0784, 0.0001
CMYK	0.02, 0.08, 0.00, 0.00
HSL	288°, 100%, 96%
HSV	288°, 8%, 100%
XYZ	87.5400, 87.1459, 106.7931
YIQ	242.0640, 3.1160, 9.6120

Conversions

Conversions Part 2

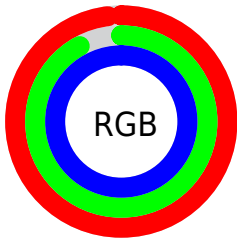
Format	Color
R_{YB}	251, 235, 255
Decimal	16509951
CIE _{Lab}	94.80, 8.89, -7.68
CIE _{LCh}	95, 11.744, 319.176
Yxy	87.1459, 0.3110, 0.3096
Android (android.graphics.Color)	4294700031 (0xFFFFBEBFF)
YUV	242.0640, 6.3774, 7.8369
Hunter-Lab	93.3520, 4.0208, -2.4804

Details

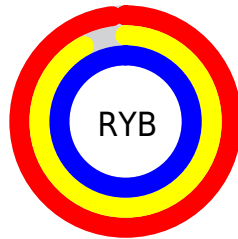
The Yxy color $87.1459, 0.3110, 0.3096$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $95.8499, 0.3143, 0.3489$, and the grayscale version is $88.7952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.7868, 0.3104, 0.3055$ is the 20% darker color. If you saturate the color by 10%, you get $72.6514, 0.3084, 0.2837$, and if you desaturate by 10%, it is $99.9985, 0.3127, 0.3290$.

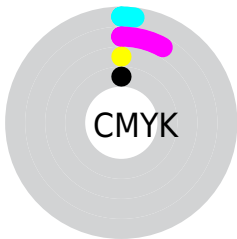
Distribution



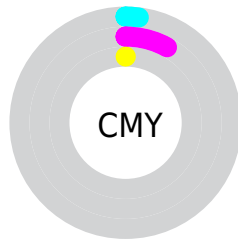
- Red (98%)
- Green (92%)
- Blue (100%)



- Red (98%)
- Yellow (92%)
- Blue (100%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1459, 0.3110, 0.3096 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 87.1459, 0.3110, 0.3096 by changing the saturation by 10% instead.

 87.1459, 0.3110,
0.3096

 87.1459, 0.3110,
0.3096

518.7022, 0.3118,
0.3182

 65.6160, 0.3108,
0.3077

143.3675, 0.3113,
0.3125

 47.9607, 0.3106,
0.3055


178.8279, 0.3114,
0.3136

 33.7958, 0.3103,
0.3027


219.7006, 0.3115,
0.3146

 22.7367, 0.3098,
0.2991

266.3700, 0.3116,
0.3155

 14.3992, 0.3093,
0.2944

319.2204, 0.3117,
0.3163

 8.3989, 0.3085,
0.2880

378.6364, 0.3117,

 4.3512, 0.3072,

0.3170

0.2787

445.0021, 0.3118,
0.3176

■ 1.8719, 0.3048,
0.2641

■ 0.5314, 0.3038,
0.2236

■ 87.1459, 0.3110,
0.3096

■ 87.1459, 0.3110,
0.3096

■ 72.6514, 0.3084,
0.2837

99.9985, 0.3127,
0.3290

■ 60.1822, 0.3052,
0.2571

■ 49.6468, 0.3014,
0.2306

■ 40.9425, 0.2971,
0.2051

■ 33.9569, 0.2923,
0.1817

■ 28.5650, 0.2872,
0.1616

■ 24.6248, 0.2818,
0.1456

■ 21.9688, 0.2765,
0.1342

■ 20.3731, 0.2712,
0.1273

Harmonies

Analogous

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



87.1459, 0.2984, 0.3064



87.1459, 0.3110, 0.3096



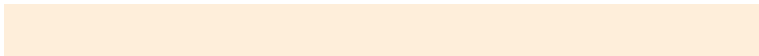
87.1459, 0.3243, 0.3177

Triad

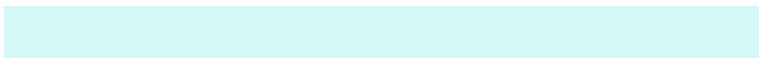
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1459, 0.3110, 0.3096



87.1459, 0.3361, 0.3488



87.1459, 0.2912, 0.3287

Complementary

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



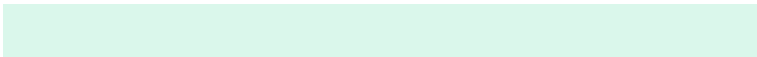
87.1459, 0.3110, 0.3096



95.8499, 0.3143, 0.3489

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.



87.1459, 0.3010, 0.3407



87.1459, 0.3110, 0.3096



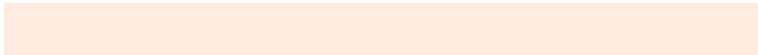
87.1459, 0.3269, 0.3524

Square

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



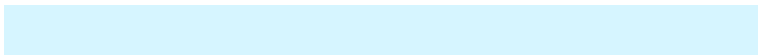
87.1459, 0.3110, 0.3096



87.1459, 0.3390, 0.3400



87.1459, 0.3140, 0.3495



87.1459, 0.2871, 0.3171

Rectangle

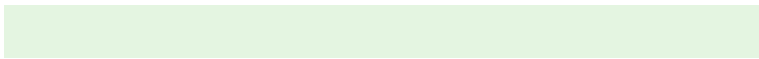
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1459, 0.3110, 0.3096



87.1459, 0.3318, 0.3248



87.1459, 0.3140, 0.3495



87.1459, 0.2939, 0.3329

Sweetspot

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



87.1496, 0.3110, 0.3096



96.5973, 0.3123, 0.3241



86.6154, 0.3006, 0.3130



20.7114, 0.3123, 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.



87.1496, 0.3110, 0.3096



85.3664, 0.3107, 0.3066



87.5148, 0.3174, 0.3155



18.1073, 0.3106, 0.3054



10.5676, 0.2709, 0.1266



1.0731, 0.2769, 0.1299

Inverse Universe

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



86.9068, 0.3237, 0.3251



85.0932, 0.3255, 0.3246



95.5188, 0.3084, 0.3429



18.0461, 0.3263, 0.3243



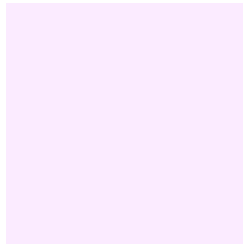
11.2489, 0.6083, 0.3125



1.1098, 0.5786, 0.2961

Previews

White Background



This preview shows how the Yxy color 87.1459, 0.3110, 0.3096 looks on a white background.

Color Contrast Check

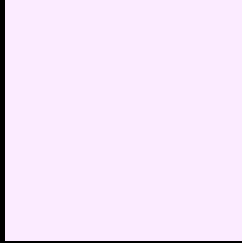
Large Text (above 18pt) WCAG AA × Fail

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 87.1459, 0.3110, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

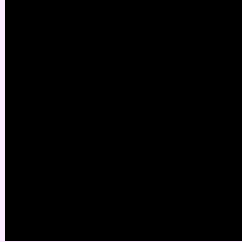
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

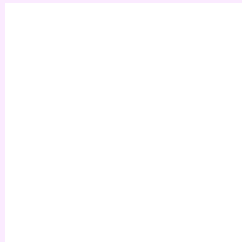
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1459, 0.3110, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 87.1459, 0.3110, 0.3096.

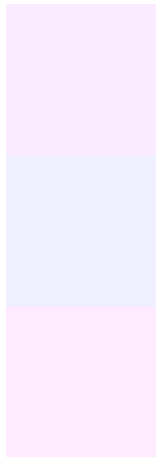


This preview shows how white text looks on a background with the Yxy color 87.1459, 0.3110, 0.3096.

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

87.1459, 0.3110, 0.3096

Protanopia

87.3037, 0.3031, 0.3131

Deuteranopia

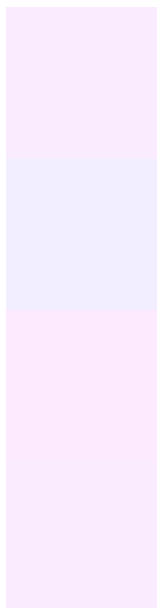
87.2614, 0.3143, 0.3097



Tritanopia

87.0816, 0.3116, 0.3105

Trichromacy



Original Color

87.1459, 0.3110, 0.3096

Protanomaly

87.4238, 0.3057, 0.3122

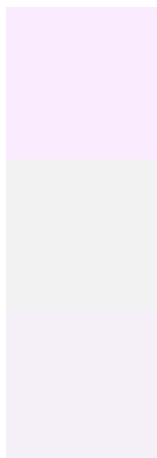
Deuteranomaly

87.0722, 0.3136, 0.3097

Tritanomaly

87.0816, 0.3116, 0.3105

Monochromacy



Original Color

87.1459, 0.3110, 0.3096

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

87.8609, 0.3118, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1459, 0.3110, 0.3096 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(251, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 235, 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(251, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.1459, 0.3110, 0.3096 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(251, 235, 255) }
```

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

```
.border{ border-color:rgb(251, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1459, 0.3110, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 235, 255) }
```

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

```
.background{ background-color: rgb(251,  
235, 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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