

Converting Colors

$Y_{xy}(89.2478, 0.2917, 0.2801)$

Have a look what the booklet for
Yxy(89.2478, 0.2917, 0.2801)
contains.

Yxy(86.9607, 0.3103, 0.3095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.9607, 0.3103, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	FAEBFF
RGB	250, 235, 255
RGB Percent	98%, 92%, 100%
CMY	0.0196, 0.0784, 0.0000
CMYK	0.02, 0.08, 0.00, 0.00
HSL	285°, 100%, 96%
HSV	285°, 8%, 100%
XYZ	87.1855, 86.9607, 106.8254
YIQ	241.7650, 2.5200, 9.4000

Conversions

Conversions Part 2

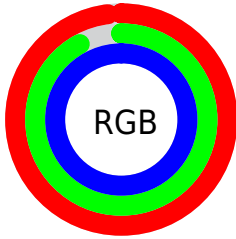
Format	Color
R_{YB}	250, 235, 255
Decimal	16444415
CIE _{Lab}	94.72, 8.57, -7.83
CIE _{LCh}	95, 11.609, 317.566
Yxy	86.9607, 0.3103, 0.3095
Android (android.graphics.Color)	4294634495 (0xFFFAEBFF)
YUV	241.7650, 6.5249, 7.2221
Hunter-Lab	93.2527, 3.6941, -2.6426

Details

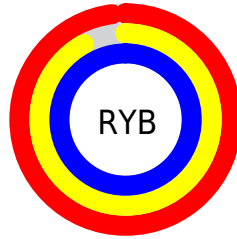
The Yxy color 86.9607, 0.3103, 0.3095 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.0450, 0.3149, 0.3489, and the grayscale version is 88.5438, 0.3127, 0.3290.

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 72.2330, 0.3067, 0.2835, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

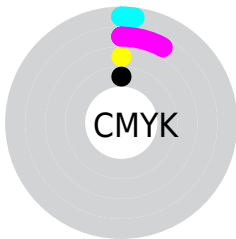
Distribution



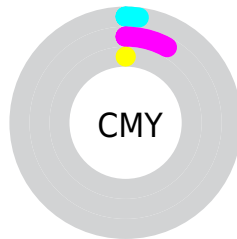
- Red (98%)
- Green (92%)
- Blue (100%)



- 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 86.9607, 0.3103, 0.3095 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 86.9607, 0.3103, 0.3095 by changing the saturation by 10% instead.

 86.9607, 0.3103,
0.3095

 86.9607, 0.3103,
0.3095

518.0937, 0.3114,
0.3181

 65.4627, 0.3100,
0.3076

143.1094, 0.3107,
0.3124

 47.8364, 0.3097,
0.3053

178.5288, 0.3109,
0.3136

 33.6973, 0.3093,
0.3025


219.3575, 0.3110,
0.3146

 22.6612, 0.3088,
0.2989

265.9798, 0.3111,
0.3155

 14.3435, 0.3080,
0.2942

318.7803, 0.3112,
0.3162

 8.3600, 0.3069,
0.2878

378.1431, 0.3113,

 4.3261, 0.3053,

0.3169

0.2784

444.4528, 0.3114,
0.3176

■ 1.8576, 0.3024,
0.2636

■ 0.5227, 0.3000,
0.2221

■ 86.9607, 0.3103,
0.3095

■ 86.9607, 0.3103,
0.3095

■ 72.2330, 0.3067,
0.2835

100.0000, 0.3127,
0.3290

■ 59.5475, 0.3024,
0.2565

■ 48.8105, 0.2974,
0.2294

■ 39.9190, 0.2917,
0.2031

■ 32.7603, 0.2854,
0.1788

■ 27.2093, 0.2788,
0.1576

■ 23.1235, 0.2719,
0.1405

■ 20.3353, 0.2651,
0.1281

■ 18.6202, 0.2585,
0.1204

Harmonies

Analogous

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



86.9607, 0.2979, 0.3067



86.9607, 0.3103, 0.3095



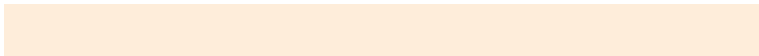
86.9607, 0.3235, 0.3173

Triad

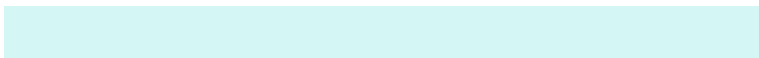
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9607, 0.3103, 0.3095



86.9607, 0.3362, 0.3482



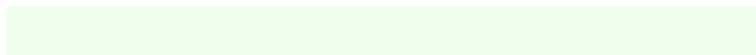
86.9607, 0.2918, 0.3294

Complementary

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



86.9607, 0.3103, 0.3095



96.0450, 0.3149, 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.



86.9607, 0.3017, 0.3412



86.9607, 0.3103, 0.3095



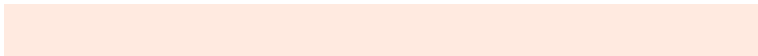
86.9607, 0.3274, 0.3521

Square

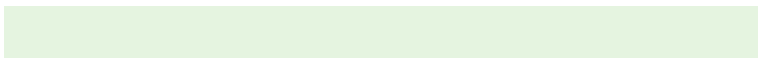
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



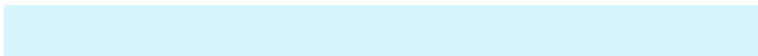
86.9607, 0.3103, 0.3095



86.9607, 0.3387, 0.3394



86.9607, 0.3147, 0.3496



86.9607, 0.2874, 0.3178

Rectangle

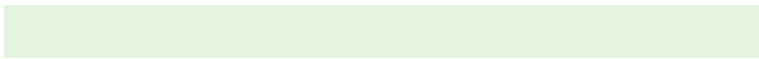
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9607, 0.3103, 0.3095



86.9607, 0.3311, 0.3243



86.9607, 0.3147, 0.3496



86.9607, 0.2946, 0.3335

Sweetspot

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



86.9622, 0.3103, 0.3095



96.5478, 0.3121, 0.3241



87.4012, 0.3006, 0.3143



20.7014, 0.3122, 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.



86.9622, 0.3103, 0.3095



85.1484, 0.3099, 0.3066



87.6020, 0.3165, 0.3142



18.0581, 0.3098, 0.3053



9.6474, 0.2582, 0.1196



0.9908, 0.2656, 0.1237

Inverse Universe

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



86.9706, 0.3231, 0.3241



85.1623, 0.3247, 0.3234



95.4545, 0.3091, 0.3443



18.0616, 0.3255, 0.3231



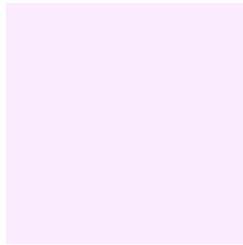
11.3210, 0.5935, 0.3043



1.1189, 0.5620, 0.2870

Previews

White Background



This preview shows how the Yxy color 86.9607, 0.3103, 0.3095 looks on a white background.

Color Contrast Check

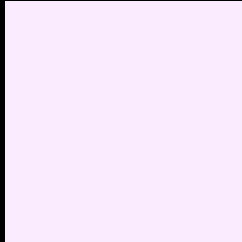
Large Text (above 18pt) WCAG AA × Fail

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 86.9607, 0.3103, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

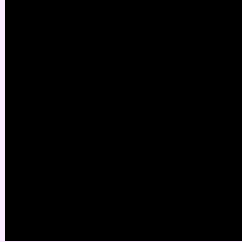
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

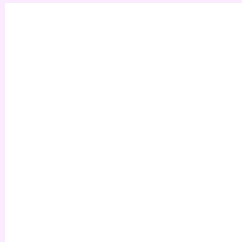
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9607, 0.3103, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 86.9607, 0.3103, 0.3095.

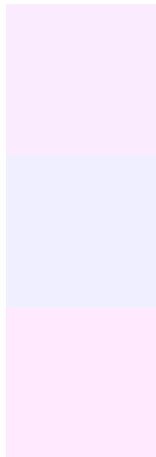


This preview shows how white text looks on a background with the Yxy color 86.9607, 0.3103, 0.3095.

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

86.9607, 0.3103, 0.3095

Protanopia

87.3037, 0.3031, 0.3131

Deuteranopia

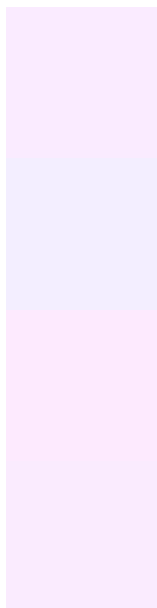
86.6936, 0.3143, 0.3087



Tritanopia

86.8964, 0.3109, 0.3105

Trichromacy



Original Color

86.9607, 0.3103, 0.3095

Protanomaly

87.4238, 0.3057, 0.3122

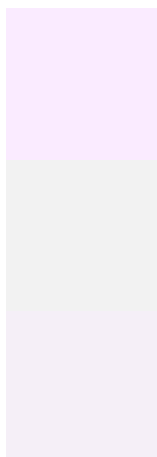
Deuteranomaly

86.8840, 0.3130, 0.3096

Tritanomaly

86.8964, 0.3109, 0.3105

Monochromacy



Original Color

86.9607, 0.3103, 0.3095

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 86.9607, 0.3103, 0.3095 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.9607, 0.3103, 0.3095 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, 235, 255) }
```

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

```
.border{ border-color:rgb(250, 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(250, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9607, 0.3103, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 235, 255) }
```

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

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