

Converting Colors

Yxy(86.9388, 0.3123, 0.3087)

Have a look what the booklet for
Yxy(86.9388, 0.3123, 0.3087)
contains.

Yxy(86.9483, 0.3123, 0.3087)	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(86.9483, 0.3123, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	FDEAFF
RGB	253, 234, 255
RGB Percent	99%, 92%, 100%
CMY	0.0081, 0.0822, 0.0000
CMYK	0.01, 0.08, 0.00, 0.00
HSL	294°, 100%, 96%
HSV	294°, 8%, 100%
XYZ	87.9623, 86.9483, 106.7490
YIQ	242.0750, 4.5830, 10.5590

Conversions

Conversions Part 2

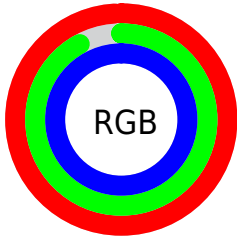
Format	Color
R_{YB}	253, 234, 255
Decimal	16640767
CIE _{Lab}	94.72, 10.03, -7.79
CIE _{LCh}	95, 12.702, 322.146
Yxy	86.9483, 0.3123, 0.3087
Android (android.graphics.Color)	4294830847 (0xFFFDEAFF)
YUV	242.0750, 6.3720, 9.5812
Hunter-Lab	93.2461, 5.2047, -2.6035

Details

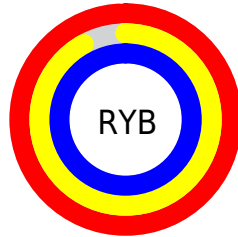
The Yxy color **86.9483, 0.3123, 0.3087** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.3069, 0.3130, 0.3500**, and the grayscale version is **88.7981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6538, 0.3122, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **72.9935, 0.3116, 0.2832**, and if you desaturate by 10%, it is **99.9997, 0.3127, 0.3290**.

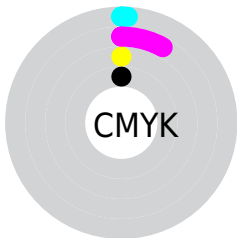
Distribution



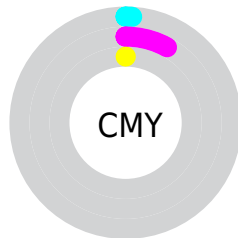
- Red (99%)
- Green (92%)
- Blue (100%)



- Red (99%)
- Yellow (92%)
- Blue (100%)



- Cyan (1%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9483, 0.3123, 0.3087 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 86.9483, 0.3123, 0.3087 by changing the saturation by 10% instead.


 86.9483, 0.3123,
0.3087

 86.9483, 0.3123,
0.3087


518.0530, 0.3126,
0.3177

 65.4524, 0.3122,
0.3067


143.0921, 0.3124,
0.3117

 47.8280, 0.3121,
0.3044


178.5088, 0.3124,
0.3129

 33.6907, 0.3120,
0.3015


219.3345, 0.3125,
0.3140

 22.6561, 0.3118,
0.2977

265.9537, 0.3125,
0.3149

 14.3398, 0.3116,
0.2929

318.7508, 0.3125,
0.3157

 8.3574, 0.3112,
0.2862

378.1101, 0.3125,

 4.3245, 0.3105,

0.3164

0.2765

444.4160, 0.3125,
0.3171

■ 1.8567, 0.3092,
0.2613

■ 0.5221, 0.3108,
0.2190

■ 86.9483, 0.3123,
0.3087

■ 86.9483, 0.3123,
0.3087

■ 72.9935, 0.3116,
0.2832

99.9997, 0.3127,
0.3290

■ 61.0419, 0.3106,
0.2573

■ 51.0019, 0.3093,
0.2320

■ 42.7706, 0.3077,
0.2081

■ 36.2354, 0.3058,
0.1867

■ 31.2708, 0.3036,
0.1689

■ 27.7342, 0.3013,
0.1552

■ 25.4569, 0.2988,
0.1460

■ 24.2069, 0.2963,
0.1410

Harmonies

Analogous

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



86.9483, 0.2984, 0.3047



86.9483, 0.3123, 0.3087



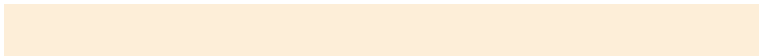
86.9483, 0.3266, 0.3178

Triad

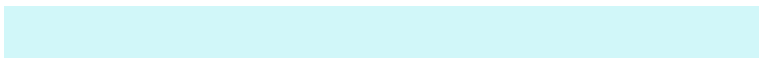
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9483, 0.3123, 0.3087



86.9483, 0.3374, 0.3511



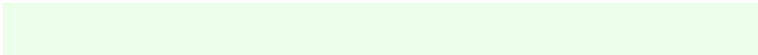
86.9483, 0.2887, 0.3274

Complementary

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



86.9483, 0.3123, 0.3087



95.3069, 0.3130, 0.3500

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.



86.9483, 0.2987, 0.3405



86.9483, 0.3123, 0.3087



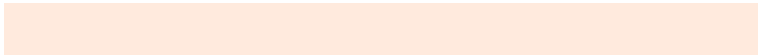
86.9483, 0.3268, 0.3544

Square

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



86.9483, 0.3123, 0.3087



86.9483, 0.3413, 0.3420



86.9483, 0.3126, 0.3506



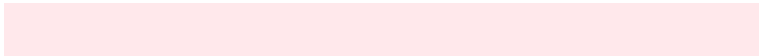
86.9483, 0.2850, 0.3150

Rectangle

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



86.9483, 0.3123, 0.3087



86.9483, 0.3344, 0.3257



86.9483, 0.3126, 0.3506



86.9483, 0.2914, 0.3319

Sweetspot

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



86.9520, 0.3123, 0.3087



96.6942, 0.3126, 0.3241



84.7798, 0.3000, 0.3100



20.7312, 0.3126, 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.



86.9520, 0.3123, 0.3087



84.3238, 0.3122, 0.3042



86.8120, 0.3189, 0.3168



18.2044, 0.3122, 0.3055



12.5962, 0.2963, 0.1406



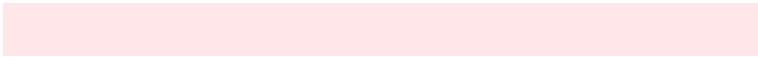
1.2516, 0.2992, 0.1422

Inverse Universe

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



86.1820, 0.3257, 0.3270



83.4022, 0.3288, 0.3266



95.4499, 0.3070, 0.3415



18.0160, 0.3279, 0.3267



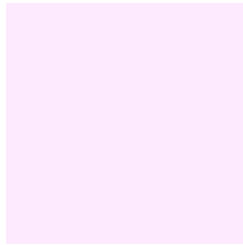
11.1551, 0.6291, 0.3239



1.0953, 0.6081, 0.3124

Previews

White Background



This preview shows how the Yxy color 86.9483, 0.3123, 0.3087 looks on a white background.

Color Contrast Check

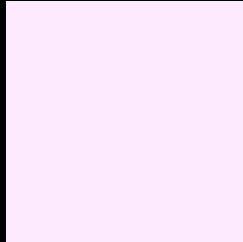
Large Text (above 18pt) WCAG AA × Fail

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 86.9483, 0.3123, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

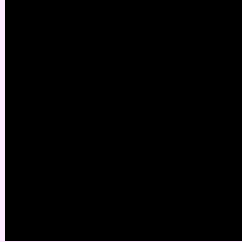
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

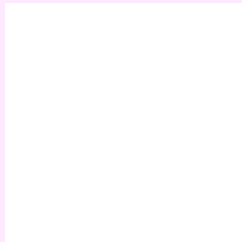
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9483, 0.3123, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 86.9483, 0.3123, 0.3087.

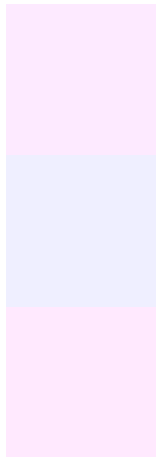


This preview shows how white text looks on a background with the Yxy color 86.9483, 0.3123, 0.3087.

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

86.9483, 0.3123, 0.3087

Protanopia

87.3037, 0.3031, 0.3131

Deuteranopia

86.6936, 0.3143, 0.3087



Tritanopia

86.8201, 0.3136, 0.3106

Trichromacy



Original Color

86.9483, 0.3123, 0.3087

Protanomaly

87.0215, 0.3064, 0.3113

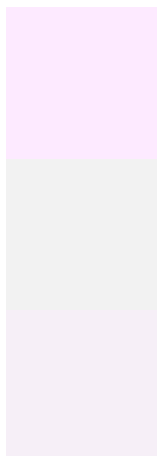
Deuteranomaly

86.5044, 0.3137, 0.3087

Tritanomaly

86.8840, 0.3130, 0.3096

Monochromacy



Original Color

86.9483, 0.3123, 0.3087

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.0412, 0.3124, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9483, 0.3123, 0.3087 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(253, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 234, 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(253, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.9483, 0.3123, 0.3087 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(253, 234, 255) }
```

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

```
.border{ border-color:rgb(253, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9483, 0.3123, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 234, 255) }
```

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

```
.background{ background-color: rgb(253,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor