

Converting Colors

$Y_{xy}(86.6390, 0.3145, 0.3090)$

Have a look what the booklet for
Yxy(86.6390, 0.3145, 0.3090)
contains.

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Color

Yxy(86.6936, 0.3143, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	FFE9FE
RGB	255, 233, 254
RGB Percent	100%, 91%, 100%
CMY	0.0001, 0.0862, 0.0038
CMYK	0.00, 0.09, 0.00, 0.00
HSL	303°, 100%, 96%
HSV	303°, 9%, 100%
XYZ	88.2663, 86.6936, 105.8746
YIQ	241.9720, 6.3710, 11.1950

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 233, 254
Decimal	16771582
CIE _{Lab}	94.61, 11.06, -7.44
CIE _{LCh}	95, 13.325, 326.073
Y _{xy}	86.6936, 0.3143, 0.3087
Android (android.graphics.Color)	4294961662 (0xFFFFE9FE)
Y _{UV}	241.9720, 5.9298, 11.4256
Hunter-Lab	93.1094, 6.2738, -2.2420

Details

The Yxy color $86.6936, 0.3143, 0.3087$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.7698, 0.3111, 0.3502$, and the grayscale version is $88.7201, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.4813, 0.3147, 0.3044$ is the 20% darker color. If you saturate the color by 10%, you get $73.2180, 0.3163, 0.2845$, and if you desaturate by 10%, it is $99.9960, 0.3127, 0.3290$.

Distribution



- Red (100%)
- Green (91%)
- Blue (100%)



- Red (100%)
- Yellow (91%)
- Blue (100%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6936, 0.3143, 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 86.6936, 0.3143, 0.3087 by changing the saturation by 10% instead.

 86.6936, 0.3143,
0.3087

 86.6936, 0.3143,
0.3087


517.2155, 0.3137,
0.3177

 65.2417, 0.3144,
0.3067


142.7370, 0.3141,
0.3117

 47.6571, 0.3146,
0.3044


178.0973, 0.3140,
0.3129

 33.5554, 0.3148,
0.3015


218.8624, 0.3139,
0.3140

 22.5523, 0.3150,
0.2977

265.4169, 0.3139,
0.3149

 14.2632, 0.3152,
0.2929

318.1450, 0.3138,
0.3157

 8.3040, 0.3155,
0.2862

377.4312, 0.3138,

 4.2901, 0.3159,

0.3164

0.2765

443.6599, 0.3137,
0.3171

■ 1.8371, 0.3162,
0.2613

■ 0.5101, 0.3219,
0.2176

■ 86.6936, 0.3143,
0.3087

■ 86.6936, 0.3143,
0.3087

■ 73.2180, 0.3163,
0.2845

99.9960, 0.3127,
0.3290

■ 61.7358, 0.3184,
0.2603

■ 52.1554, 0.3206,
0.2369

■ 44.3735, 0.3229,
0.2153

■ 38.2770, 0.3250,
0.1963

■ 33.7401, 0.3271,
0.1810

■ 30.6192, 0.3290,
0.1700

■ 28.7445, 0.3306,
0.1633

■ 27.8742, 0.3320,
0.1606

Harmonies

Analogous

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



86.6936, 0.2994, 0.3037



86.6936, 0.3143, 0.3087



86.6936, 0.3291, 0.3188

Triad

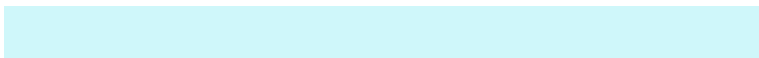
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6936, 0.3143, 0.3087



86.6936, 0.3375, 0.3530



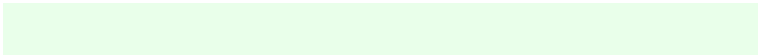
86.6936, 0.2866, 0.3254

Complementary

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



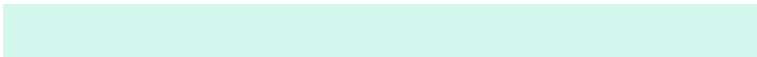
86.6936, 0.3143, 0.3087



94.7698, 0.3111, 0.3502

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.



86.6936, 0.2963, 0.3394



86.6936, 0.3143, 0.3087



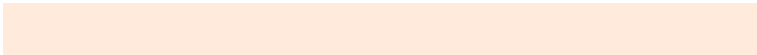
86.6936, 0.3257, 0.3556

Square

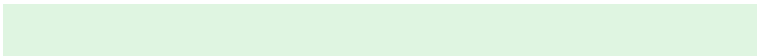
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6936, 0.3143, 0.3087



86.6936, 0.3426, 0.3441



86.6936, 0.3106, 0.3506



86.6936, 0.2837, 0.3129

Rectangle

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



86.6936, 0.3143, 0.3087



86.6936, 0.3368, 0.3272



86.6936, 0.3106, 0.3506



86.6936, 0.2892, 0.3301

Sweetspot

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



86.6973, 0.3143, 0.3087



95.1946, 0.3133, 0.3220



82.9509, 0.2998, 0.3069



20.1077, 0.3134, 0.3201



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.



86.6973, 0.3143, 0.3087



84.7253, 0.3146, 0.3054



86.0263, 0.3211, 0.3190



18.2861, 0.3145, 0.3066



14.5287, 0.3320, 0.1603



1.4186, 0.3306, 0.1595

Inverse Universe

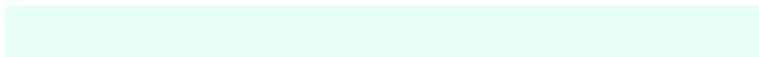
The Inverse Universe completely reimagines the original color for something new.



86.6973, 0.3143, 0.3087



84.7253, 0.3146, 0.3054



95.4077, 0.3050, 0.3392



18.2861, 0.3145, 0.3066



14.5287, 0.3320, 0.1603



1.4186, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 86.6936, 0.3143, 0.3087 looks on a white background.

Color Contrast Check

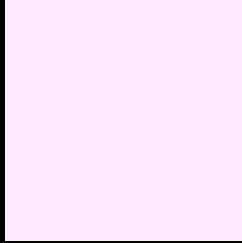
Large Text (above 18pt) WCAG AA × Fail

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 86.6936, 0.3143, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

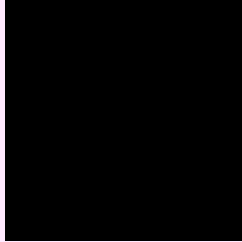
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

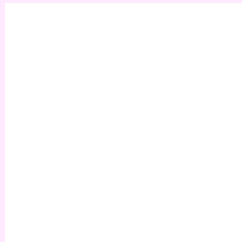
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6936, 0.3143, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 86.6936, 0.3143, 0.3087.

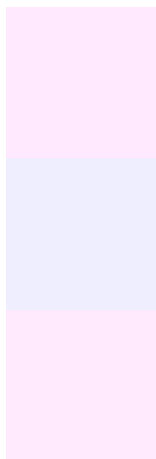


This preview shows how white text looks on a background with the Yxy color 86.6936, 0.3143, 0.3087.

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

86.6936, 0.3143, 0.3087

Protanopia

86.7198, 0.3031, 0.3121

Deuteranopia

86.6297, 0.3150, 0.3097



Tritanopia

86.5661, 0.3156, 0.3106

Trichromacy



Original Color

86.6936, 0.3143, 0.3087

Protanomaly

86.6234, 0.3070, 0.3103

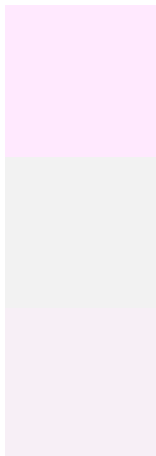
Deuteranomaly

86.6297, 0.3150, 0.3097

Tritanomaly

86.6297, 0.3150, 0.3097

Monochromacy



Original Color

86.6936, 0.3143, 0.3087

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.1610, 0.3137, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6936, 0.3143, 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(255, 233, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 254) }
```

Border

The CSS property to change the border of an element to Yxy 86.6936, 0.3143, 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(255, 233, 254) }
```

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

```
.border{ border-color:rgb(255, 233, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6936, 0.3143, 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(255, 233, 254) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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