

Converting Colors

$Y_{xy}(129.5176, 0.2540, 0.1778)$

Have a look what the booklet for
Yxy(129.5176, 0.2540, 0.1778)
contains.

| | |
|--|----|
| Yxy(86.1932, 0.3138, 0.3068) | 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(86.1932, 0.3138, 0.3068)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFE8FF |
| RGB | 255, 232, 255 |
| RGB Percent | 100%, 91%, 100% |
| CMY | 0.0000, 0.0902, 0.0000 |
| CMYK | 0.00, 0.09, 0.00, 0.00 |
| HSL | 300°, 100%, 95% |
| HSV | 300°, 9%, 100% |
| XYZ | 88.1598, 86.1932, 106.5896 |
| YIQ | 241.4990, 6.3250, 12.0290 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 232, 255 |
| Decimal | 16771327 |
| CIE Lab | 94.39, 11.78, -8.25 |
| CIE LCh | 94, 14.381, 324.993 |
| Yxy | 86.1932, 0.3138, 0.3068 |
| Android (android.graphics.Color) | 4294961407 (0xFFFFE8FF) |
| YUV | 241.4990, 6.6560, 11.8404 |
| Hunter-Lab | 92.8403, 7.0305, -3.0824 |

Details

The Yxy color **86.1932, 0.3138, 0.3068** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.5000, 0.3116, 0.3522**, and the grayscale version is **88.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1337, 0.3140, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **72.8573, 0.3150, 0.2816**, and if you desaturate by 10%, it is **100.0000, 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 86.1932, 0.3138, 0.3068 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 86.1932, 0.3138, 0.3068 by changing the saturation by 10% instead.


 86.1932, 0.3138,
0.3068

 86.1932, 0.3138,
0.3068


515.5680, 0.3134,
0.3166

 64.8277, 0.3139,
0.3047

142.0391, 0.3137,
0.3101

 47.3214, 0.3140,
0.3021


177.2883, 0.3136,
0.3114

 33.2898, 0.3140,
0.2989


217.9342, 0.3136,
0.3126

 22.3486, 0.3141,
0.2948

264.3612, 0.3135,
0.3136

 14.1132, 0.3142,
0.2895

316.9537, 0.3135,
0.3145

 8.1995, 0.3143,
0.2822

376.0960, 0.3135,

 4.2228, 0.3143,

0.3152

0.2717

442.1727, 0.3134,
0.3160

■ 1.7990, 0.3140,
0.2552

■ 0.4865, 0.3191,
0.2070

■ 86.1932, 0.3138,
0.3068

■ 86.1932, 0.3138,
0.3068

■ 72.8573, 0.3150,
0.2816

100.0000, 0.3127,
0.3290

■ 61.5215, 0.3161,
0.2566

■ 52.0834, 0.3173,
0.2325

■ 44.4394, 0.3183,
0.2103

■ 38.4758, 0.3192,
0.1911

■ 34.0662, 0.3200,
0.1756

■ 31.0662, 0.3205,
0.1644

■ 29.3045, 0.3208,
0.1575

■ 28.5280, 0.3210,
0.1544

Harmonies

Analogous

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



86.1932, 0.2978, 0.3016



86.1932, 0.3138, 0.3068



86.1932, 0.3299, 0.3175

Triad

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



86.1932, 0.3138, 0.3068



86.1932, 0.3398, 0.3547



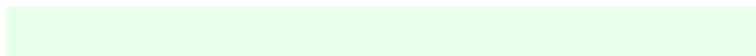
86.1932, 0.2848, 0.3256

Complementary

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



86.1932, 0.3138, 0.3068



94.5000, 0.3116, 0.3522

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.



86.1932, 0.2955, 0.3408



86.1932, 0.3138, 0.3068



86.1932, 0.3272, 0.3578

Square

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



86.1932, 0.3138, 0.3068



86.1932, 0.3451, 0.3449



86.1932, 0.3110, 0.3527



86.1932, 0.2813, 0.3120

Rectangle

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



86.1932, 0.3138, 0.3068



86.1932, 0.3384, 0.3265



86.1932, 0.3110, 0.3527



86.1932, 0.2876, 0.3307

Sweetspot

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



86.1865, 0.3138, 0.3068



95.2156, 0.3131, 0.3217



82.0811, 0.2986, 0.3057



20.1133, 0.3132, 0.3197



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.



86.1865, 0.3138, 0.3068



83.3901, 0.3140, 0.3019



85.4681, 0.3211, 0.3178



18.3003, 0.3138, 0.3056



14.8783, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Inverse Universe

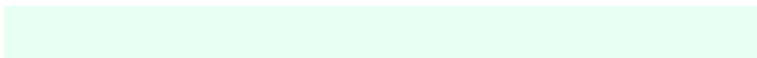
The Inverse Universe completely reimagines the original color for something new.



86.1865, 0.3138, 0.3068



83.3901, 0.3140, 0.3019



95.1750, 0.3051, 0.3405



18.3003, 0.3138, 0.3056



14.8783, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 86.1932, 0.3138, 0.3068 looks on a white background.

Color Contrast Check

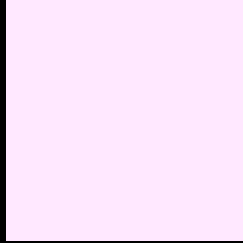
Large Text (above 18pt) WCAG AA × Fail

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 86.1932, 0.3138, 0.3068 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

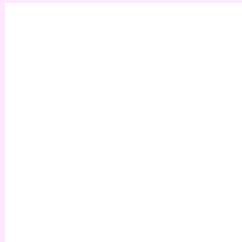
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1932, 0.3138, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 86.1932, 0.3138, 0.3068.

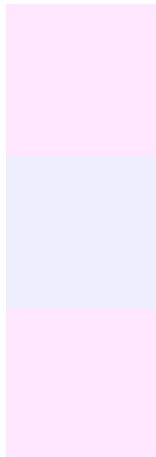


This preview shows how white text looks on a background with the Yxy color 86.1932, 0.3138, 0.3068.

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

86.1932, 0.3138, 0.3068

Protanopia

86.5462, 0.3025, 0.3121

Deuteranopia

86.1932, 0.3138, 0.3068



Tritanopia

86.3137, 0.3155, 0.3115

Trichromacy



Original Color

86.1932, 0.3138, 0.3068

Protanomaly

86.4440, 0.3064, 0.3103

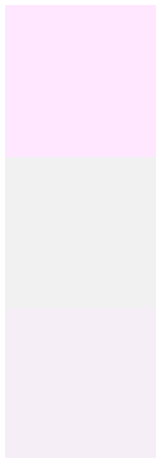
Deuteranomaly

86.1932, 0.3138, 0.3068

Tritanomaly

86.3769, 0.3149, 0.3106

Monochromacy



Original Color

86.1932, 0.3138, 0.3068

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.3957, 0.3131, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1932, 0.3138, 0.3068 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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(255, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.1932, 0.3138, 0.3068 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, 232, 255) }
```

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

```
.border{ border-color:rgb(255, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1932, 0.3138, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 255) }
```

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

```
.background{ background-color: rgb(255,  
232, 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