

Converting Colors

$Y_{xy}(122.5624, 0.3989, 0.3183)$

Have a look what the booklet for
Yxy(122.5624, 0.3989, 0.3183)
contains.

| | |
|--|----|
| Yxy(89.5009, 0.3147, 0.3146) | 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(89.5009, 0.3147, 0.3146)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFEEFD |
| RGB | 255, 238, 253 |
| RGB Percent | 100%, 93%, 99% |
| CMY | 0.0002, 0.0666, 0.0080 |
| CMYK | 0.00, 0.07, 0.01, 0.00 |
| HSL | 307°, 100%, 97% |
| HSV | 307°, 7%, 100% |
| XYZ | 89.5293, 89.5009, 105.4609 |
| YIQ | 244.7930, 5.3170, 8.2690 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-----------------------------|
| R _Y B | 255, 238, 253 |
| Decimal | 16772861 |
| CIE Lab | 95.79, 8.28, -5.14 |
| CIE LCh | 96, 9.747, 328.160 |
| Yxy | 89.5009, 0.3147, 0.3146 |
| Android (android.graphics.Color) | 4294962941 (0xFFFFEFD) |
| YUV | 244.7930, 4.0461, 8.9515 |
| Hunter-Lab | 94.6049, 3.3648, 0.1299 |

Details

The Yxy color 89.5009, 0.3147, 0.3146 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.9681, 0.3108, 0.3438, and the grayscale version is 91.0972, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.4472, 0.3152, 0.3118 is the 20% darker color. If you saturate the color by 10%, you get 75.5039, 0.3180, 0.2923, and if you desaturate by 10%, it is 99.9926, 0.3127, 0.3290.

Distribution



Red (100%)

Green (93%)

Blue (99%)



Red (100%)

Yellow (93%)

Blue (99%)



Cyan (0%)

Magenta (7%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5009, 0.3147, 0.3146 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 89.5009, 0.3147, 0.3146 by changing the saturation by 10% instead.


 89.5009, 0.3147,
0.3146

 89.5009, 0.3147,
0.3146


526.4060, 0.3139,
0.3210

 67.5668, 0.3149,
0.3132


146.6449, 0.3144,
0.3167

 49.5454, 0.3151,
0.3115


182.6236, 0.3143,
0.3176

 35.0523, 0.3154,
0.3095


224.0526, 0.3142,
0.3183

 23.7032, 0.3157,
0.3068

271.3163, 0.3141,
0.3190

 15.1136, 0.3161,
0.3034

324.7991, 0.3140,
0.3196

 8.8991, 0.3167,
0.2987

384.8854, 0.3140,

 4.6754, 0.3174,

0.3201

0.2918

451.9595, 0.3139,
0.3205

■ 2.0581, 0.3185,
0.2810

■ 0.6409, 0.3229,
0.2551

■ 89.5009, 0.3147,
0.3146

■ 89.5009, 0.3147,
0.3146

■ 75.5039, 0.3180,
0.2923

99.9926, 0.3127,
0.3290

■ 63.5206, 0.3217,
0.2697

■ 53.4606, 0.3258,
0.2475

■ 45.2224, 0.3302,
0.2266

■ 38.6952, 0.3348,
0.2080

■ 33.7557, 0.3394,
0.1926

■ 30.2647, 0.3440,
0.1814

■ 28.0584, 0.3483,
0.1747

■ 26.9312, 0.3523,
0.1724

Harmonies

Analogous

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



89.5009, 0.3038, 0.3107



89.5009, 0.3147, 0.3146



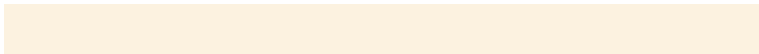
89.5009, 0.3252, 0.3222

Triad

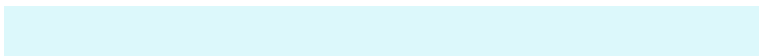
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5009, 0.3147, 0.3146



89.5009, 0.3302, 0.3467



89.5009, 0.2934, 0.3258

Complementary

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



89.5009, 0.3147, 0.3146



95.9681, 0.3108, 0.3438

Split Complementary

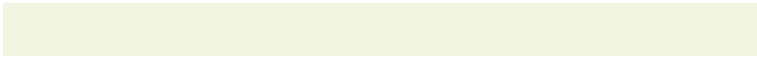
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5009, 0.3002, 0.3359



89.5009, 0.3147, 0.3146



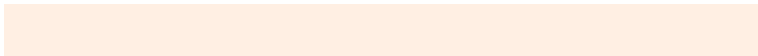
89.5009, 0.3214, 0.3481

Square

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



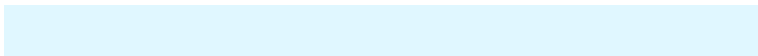
89.5009, 0.3147, 0.3146



89.5009, 0.3342, 0.3406



89.5009, 0.3105, 0.3441



89.5009, 0.2917, 0.3169

Rectangle

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



89.5009, 0.3147, 0.3146



89.5009, 0.3305, 0.3285



89.5009, 0.3105, 0.3441



89.5009, 0.2952, 0.3292

Sweetspot

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



89.5048, 0.3147, 0.3146



96.7506, 0.3133, 0.3247



86.9046, 0.3038, 0.3122



20.7426, 0.3133, 0.3249



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.



89.5048, 0.3147, 0.3146



87.5146, 0.3151, 0.3116



88.9777, 0.3199, 0.3227



18.2615, 0.3156, 0.3083



13.9658, 0.3530, 0.1718



1.3698, 0.3488, 0.1695

Inverse Universe

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



89.5048, 0.3147, 0.3146



87.5146, 0.3151, 0.3116



96.4825, 0.3060, 0.3354



18.2615, 0.3156, 0.3083



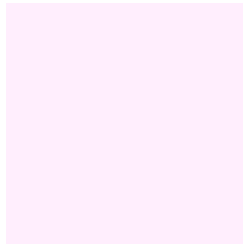
13.9658, 0.3530, 0.1718



1.3698, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 89.5009, 0.3147, 0.3146 looks on a white background.

Color Contrast Check

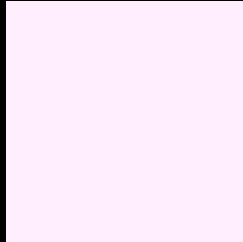
Large Text (above 18pt) WCAG AA × Fail

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 89.5009, 0.3147, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

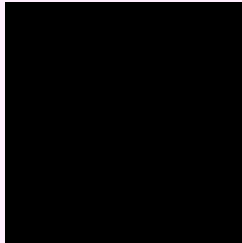
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

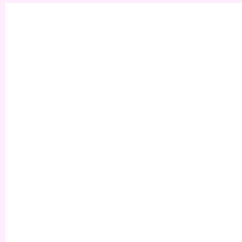
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5009, 0.3147, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 89.5009, 0.3147, 0.3146.

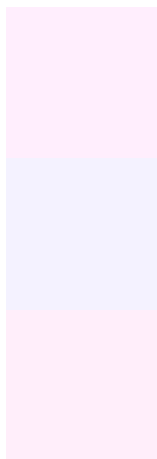


This preview shows how white text looks on a background with the Yxy color 89.5009, 0.3147, 0.3146.

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

89.5009, 0.3147, 0.3146

Protanopia

89.9574, 0.3062, 0.3163

Deuteranopia

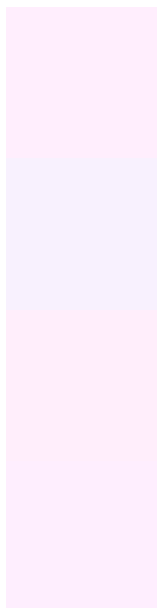
89.3112, 0.3166, 0.3174



Tritanopia

89.4399, 0.3128, 0.3126

Trichromacy



Original Color

89.5009, 0.3147, 0.3146

Protanomaly

90.0228, 0.3094, 0.3163

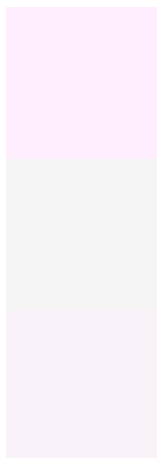
Deuteranomaly

89.3741, 0.3159, 0.3165

Tritanomaly

89.3757, 0.3134, 0.3136

Monochromacy



Original Color

89.5009, 0.3147, 0.3146

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.4213, 0.3136, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5009, 0.3147, 0.3146 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, 238, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 253)  
}
```

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, 238, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 253) }
```

Border

The CSS property to change the border of an element to Yxy 89.5009, 0.3147, 0.3146 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, 238, 253) }
```

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

```
.border{ border-color:rgb(255, 238, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5009, 0.3147, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 253) }
```

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

```
.background{ background-color: rgb(255,  
238, 253) }
```

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