

Converting Colors

$Y_{xy}(89.8242, 0.3125, 0.3172)$

Have a look what the booklet for
Yxy(89.8242, 0.3125, 0.3172)
contains.

Yxy(89.8577, 0.3126, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.8577, 0.3126, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	FBF0FC
RGB	251, 240, 252
RGB Percent	98%, 94%, 99%
CMY	0.0159, 0.0587, 0.0119
CMYK	0.00, 0.05, 0.00, 0.01
HSL	295°, 66%, 96%
HSV	295°, 5%, 99%
XYZ	88.4988, 89.8577, 104.7491
YIQ	244.6570, 2.7040, 6.0640

Conversions

Conversions Part 2

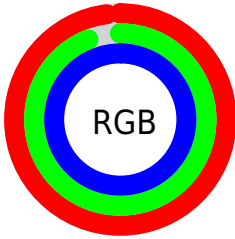
Format	Color
R _Y B	251, 240, 252
Decimal	16511228
CIE Lab	95.94, 5.75, -4.44
CIE LCh	96, 7.267, 322.340
Yxy	89.8577, 0.3126, 0.3174
Android (android.graphics.Color)	4294701308 (0xFFFBF0FC)
YUV	244.6570, 3.6201, 5.5628
Hunter-Lab	94.7933, 0.7589, 0.8383

Details

The Yxy color 89.8577, 0.3126, 0.3174 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.6015, 0.3128, 0.3408, and the grayscale version is 90.9868, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.6904, 0.3125, 0.3154 is the 20% darker color. If you saturate the color by 10%, you get 75.6461, 0.3122, 0.2922, and if you desaturate by 10%, it is 99.4463, 0.3133, 0.3319.

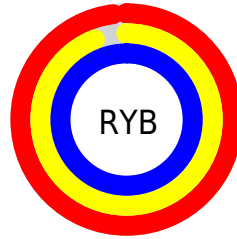
Distribution



Red (98%)

Green (94%)

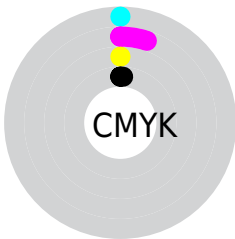
Blue (99%)



Red (98%)

Yellow (94%)

Blue (99%)

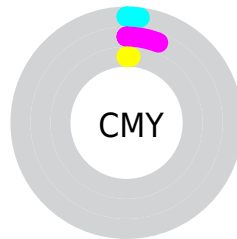


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (2%)


Magenta (6%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8577, 0.3126, 0.3174 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 89.8577, 0.3126, 0.3174 by changing the saturation by 10% instead.


 89.8577, 0.3126,
0.3174

 89.8577, 0.3126,
0.3174

527.5678, 0.3127,
0.3225

 67.8626, 0.3126,
0.3163


147.1407, 0.3126,
0.3191

 49.7860, 0.3126,
0.3149


183.1974, 0.3126,
0.3198

 35.2434, 0.3125,
0.3132

224.7102, 0.3126,
0.3204

 23.8504, 0.3125,
0.3111

272.0633, 0.3127,
0.3209

 15.2227, 0.3124,
0.3083

325.6413, 0.3127,
0.3214

 8.9758, 0.3123,
0.3045

385.8284, 0.3127,

 4.7254, 0.3120,

0.3218

0.2989

453.0091, 0.3127,
0.3222

■ 2.0871, 0.3116,
0.2900

■ 0.6573, 0.3123,
0.2683

■ 89.8577, 0.3126,
0.3174

■ 89.8577, 0.3126,
0.3174

■ 75.6461, 0.3122,
0.2922

■ 99.4463, 0.3133,
0.3319

■ 63.4106, 0.3116,
0.2665

■ 99.8064, 0.3145,
0.3319

■ 53.0649, 0.3107,
0.2410

■ 44.5118, 0.3096,
0.2167

■ 37.6453, 0.3082,
0.1946

■ 32.3485, 0.3065,
0.1757

■ 28.4894, 0.3046,
0.1608

■ 25.9145, 0.3026,
0.1503

■ 24.4349, 0.3005,
0.1442

Harmonies

Analogous

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



89.8577, 0.3047, 0.3151



89.8577, 0.3126, 0.3174



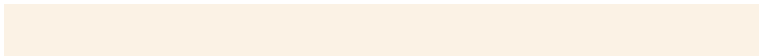
89.8577, 0.3206, 0.3227

Triad

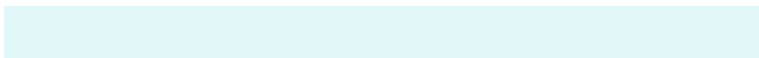
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8577, 0.3126, 0.3174



89.8577, 0.3266, 0.3416



89.8577, 0.2990, 0.3281

Complementary

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



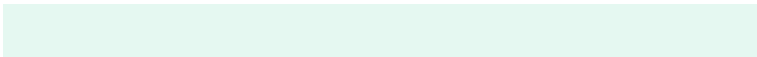
89.8577, 0.3126, 0.3174



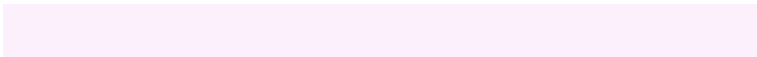
94.6015, 0.3128, 0.3408

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.



89.8577, 0.3048, 0.3355



89.8577, 0.3126, 0.3174



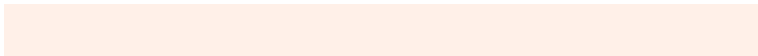
89.8577, 0.3207, 0.3433

Square

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



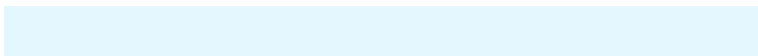
89.8577, 0.3126, 0.3174



89.8577, 0.3288, 0.3366



89.8577, 0.3127, 0.3410



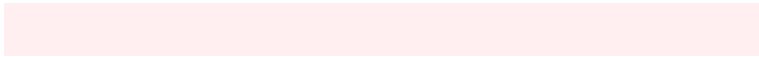
89.8577, 0.2969, 0.3212

Rectangle

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



89.8577, 0.3126, 0.3174



89.8577, 0.3250, 0.3272



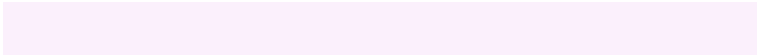
89.8577, 0.3127, 0.3410



89.8577, 0.3006, 0.3306

Sweetspot

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



89.8616, 0.3126, 0.3174



98.3428, 0.3127, 0.3266



88.5952, 0.3055, 0.3183



21.0669, 0.3127, 0.3267



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.



89.8616, 0.3126, 0.3174



90.3787, 0.3126, 0.3143



89.7508, 0.3162, 0.3220



18.3178, 0.3125, 0.3127



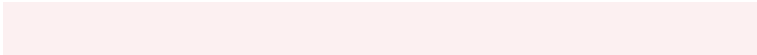
12.5133, 0.2997, 0.1425



1.1803, 0.3024, 0.1439

Inverse Universe

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



89.3765, 0.3200, 0.3280



89.7543, 0.3220, 0.3278



94.7117, 0.3094, 0.3361



18.1770, 0.3231, 0.3276



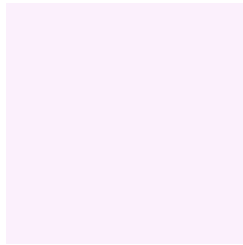
10.8178, 0.6309, 0.3249



1.0098, 0.6112, 0.3141

Previews

White Background



This preview shows how the Yxy color 89.8577, 0.3126, 0.3174 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 89.8577, 0.3126, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

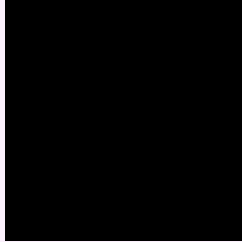
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8577, 0.3126, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 89.8577, 0.3126, 0.3174.



This preview shows how white text looks on a background with the Yxy color 89.8577, 0.3126, 0.3174.

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

89.8577, 0.3126, 0.3174

Protanopia

90.0086, 0.3081, 0.3182

Deuteranopia

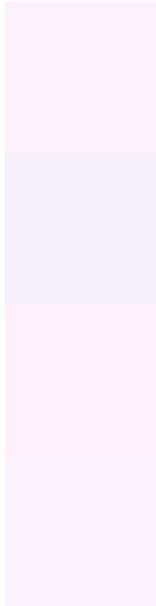
89.8326, 0.3171, 0.3193



Tritanopia

89.8642, 0.3101, 0.3145

Trichromacy



Original Color

89.8577, 0.3126, 0.3174

Protanomaly

89.7766, 0.3094, 0.3173

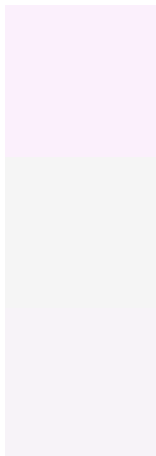
Deuteranomaly

89.7060, 0.3158, 0.3184

Tritanomaly

89.7999, 0.3108, 0.3154

Monochromacy



Original Color

89.8577, 0.3126, 0.3174

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

90.6527, 0.3123, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8577, 0.3126, 0.3174 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(251, 240, 252)` looks like.

```
.text, #text, p{  
    color:rgb(251, 240, 252)  
}
```

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(251, 240, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 240, 252) }
```

Border

The CSS property to change the border of an element to Yxy 89.8577, 0.3126, 0.3174 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(251, 240, 252) }
```

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

```
.border{ border-color:rgb(251, 240, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 240, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 240, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 240, 252);  
box-shadow:4px 4px 4px 4px rgb(251, 240,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8577, 0.3126, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 240, 252) }
```

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

```
.background{ background-color: rgb(251,  
240, 252) }
```

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