

Converting Colors

$Y_{xy}(89.0220, 0.3126, 0.3173)$

Have a look what the booklet for
Yxy(89.0220, 0.3126, 0.3173)
contains.

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Color

Yxy(89.0220, 0.3126, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	FAE9FB
RGB	250, 239, 251
RGB Percent	98%, 94%, 98%
CMY	0.0196, 0.0627, 0.0156
CMYK	0.00, 0.05, 0.00, 0.02
HSL	295°, 60%, 96%
HSV	295°, 5%, 98%
XYZ	87.7034, 89.0220, 103.8356
YIQ	243.6570, 2.7040, 6.0640

Conversions

Conversions Part 2

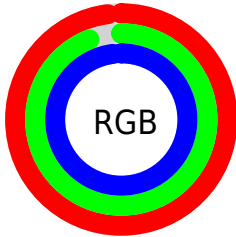
Format	Color
R_{YB}	250, 239, 251
Decimal	16445435
CIE Lab	95.59, 5.79, -4.46
CIE LCh	96, 7.309, 322.347
Yxy	89.0220, 0.3126, 0.3173
Android (android.graphics.Color)	4294635515 (0xFFFAE9FB)
YUV	243.6570, 3.6201, 5.5628
Hunter-Lab	94.3515, 0.8076, 0.7962

Details

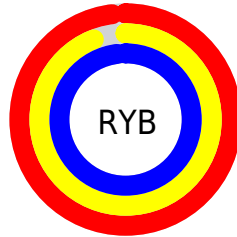
The Yxy color 89.0220, 0.3126, 0.3173 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.7630, 0.3128, 0.3409, and the grayscale version is 90.1500, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.2764, 0.3126, 0.3141 is the 20% darker color. If you saturate the color by 10%, you get 74.9444, 0.3122, 0.2921, and if you desaturate by 10%, it is 99.2034, 0.3132, 0.3328.

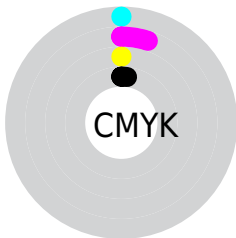
Distribution



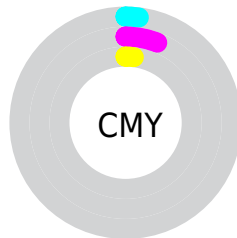
- Red (98%)
- Green (94%)
- Blue (98%)



- Red (98%)
- Yellow (94%)
- Blue (98%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0220, 0.3126, 0.3173 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 89.0220, 0.3126, 0.3173 by changing the saturation by 10% instead.

 89.0220, 0.3126,
0.3173

 89.0220, 0.3126,
0.3173


524.8443, 0.3127,
0.3225

 67.1698, 0.3126,
0.3162


145.9792, 0.3126,
0.3191

 49.2226, 0.3126,
0.3148


181.8529, 0.3126,
0.3198

 34.7961, 0.3125,
0.3131


223.1693, 0.3126,
0.3204

 23.5059, 0.3125,
0.3109

270.3126, 0.3127,
0.3209

 14.9675, 0.3124,
0.3081

323.6674, 0.3127,
0.3214

 8.7966, 0.3123,
0.3042

383.6181, 0.3127,

 4.6087, 0.3120,

0.3218

0.2984

450.5489, 0.3127,
0.3221

■ 2.0196, 0.3116,
0.2894

■ 0.6188, 0.3125,
0.2651

■ 89.0220, 0.3126,
0.3173

■ 89.0220, 0.3126,
0.3173

■ 74.9444, 0.3122,
0.2921

■ 99.2034, 0.3132,
0.3328

■ 62.8247, 0.3116,
0.2664

■ 99.6021, 0.3145,
0.3328

■ 52.5774, 0.3107,
0.2409

■ 99.7458, 0.3150,
0.3328

■ 44.1061, 0.3096,
0.2166

■ 37.3059, 0.3082,
0.1945

■ 32.0609, 0.3065,
0.1757

■ 28.2401, 0.3047,
0.1608

■ 25.6915, 0.3026,
0.1503

■ 24.2279, 0.3005,
0.1442

Harmonies

Analogous

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



89.0220, 0.3046, 0.3150



89.0220, 0.3126, 0.3173



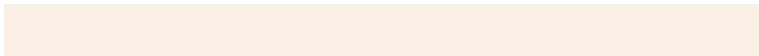
89.0220, 0.3207, 0.3226

Triad

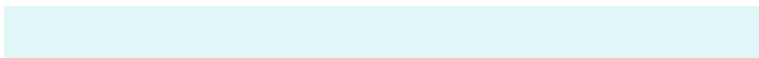
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0220, 0.3126, 0.3173



89.0220, 0.3267, 0.3417



89.0220, 0.2989, 0.3281

Complementary

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



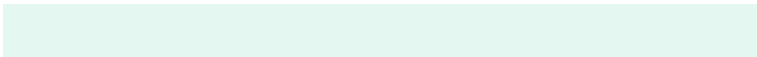
89.0220, 0.3126, 0.3173



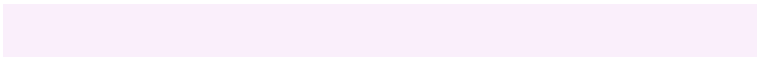
93.7630, 0.3128, 0.3409

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.



89.0220, 0.3047, 0.3355



89.0220, 0.3126, 0.3173



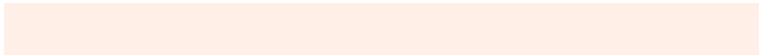
89.0220, 0.3208, 0.3434

Square

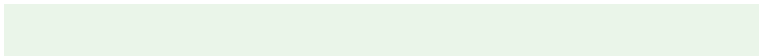
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



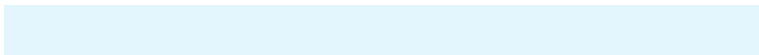
89.0220, 0.3126, 0.3173



89.0220, 0.3289, 0.3366



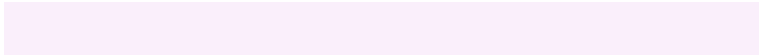
89.0220, 0.3127, 0.3411



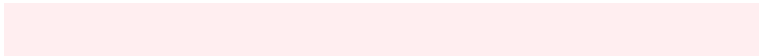
89.0220, 0.2968, 0.3211

Rectangle

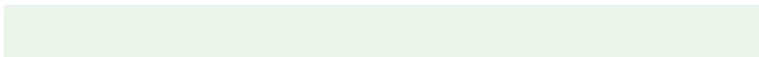
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



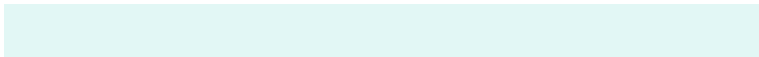
89.0220, 0.3126, 0.3173



89.0220, 0.3251, 0.3272



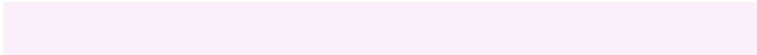
89.0220, 0.3127, 0.3411



89.0220, 0.3005, 0.3306

Sweetspot

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



89.0258, 0.3126, 0.3173



98.3429, 0.3127, 0.3266



87.7596, 0.3055, 0.3182



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.



89.0258, 0.3126, 0.3173



90.3792, 0.3126, 0.3143



88.9148, 0.3162, 0.3220



18.3179, 0.3125, 0.3127



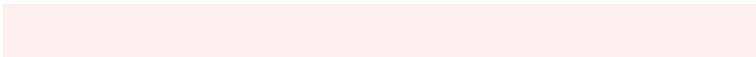
12.5165, 0.2997, 0.1425



1.1806, 0.3024, 0.1440

Inverse Universe

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



88.5406, 0.3200, 0.3280



89.7542, 0.3221, 0.3278



93.8735, 0.3094, 0.3361



18.1770, 0.3231, 0.3276



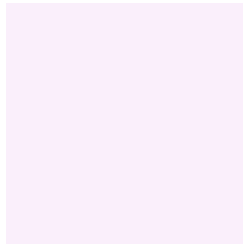
10.8178, 0.6309, 0.3249



1.0098, 0.6113, 0.3141

Previews

White Background



This preview shows how the Yxy color 89.0220, 0.3126, 0.3173 looks on a white background.

Color Contrast Check

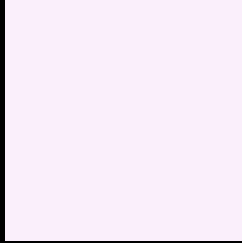
Large Text (above 18pt) WCAG AA × Fail

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 89.0220, 0.3126, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

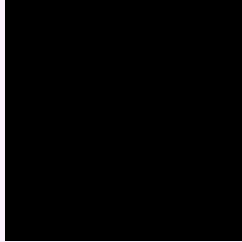
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.0220, 0.3126, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 89.0220, 0.3126, 0.3173.



This preview shows how white text looks on a background with the Yxy color 89.0220, 0.3126, 0.3173.

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

89.0220, 0.3126, 0.3173

Protanopia

89.1720, 0.3080, 0.3182

Deuteranopia

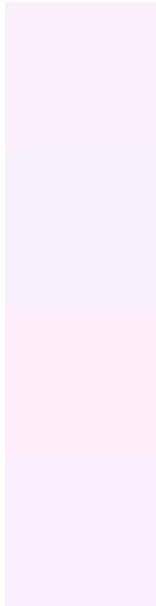
89.2486, 0.3172, 0.3184



Tritanopia

89.2770, 0.3102, 0.3135

Trichromacy



Original Color

89.0220, 0.3126, 0.3173

Protanomaly

88.9413, 0.3094, 0.3172

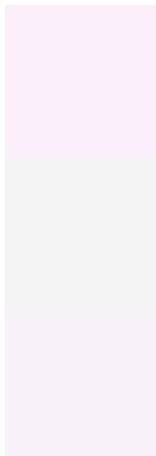
Deuteranomaly

88.9338, 0.3152, 0.3174

Tritanomaly

89.2128, 0.3108, 0.3144

Monochromacy



Original Color

89.0220, 0.3126, 0.3173

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

89.8125, 0.3123, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0220, 0.3126, 0.3173 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(250, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(250, 239, 251)  
}
```

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(250, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 239, 251) }
```

Border

The CSS property to change the border of an element to Yxy 89.0220, 0.3126, 0.3173 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(250, 239, 251) }
```

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

```
.border{ border-color:rgb(250, 239, 251) }
```

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

Here you see how a box with a 4 pixel rgb(250, 239, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(250, 239,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0220, 0.3126, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 239, 251) }
```

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

```
.background{ background-color: rgb(250,  
239, 251) }
```

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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