

Converting Colors

$Y_{xy}(89.7283, 0.3125, 0.3232)$

Have a look what the booklet for
Yxy(89.7283, 0.3125, 0.3232)
contains.

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Color

Yxy(89.9938, 0.3129, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	F7F2F7
RGB	247, 242, 247
RGB Percent	97%, 95%, 97%
CMY	0.0316, 0.0509, 0.0313
CMYK	0.00, 0.02, 0.00, 0.03
HSL	299°, 24%, 96%
HSV	299°, 2%, 97%
XYZ	86.8839, 89.9938, 100.7953
YIQ	244.0650, 1.3750, 2.6150

Conversions

Conversions Part 2

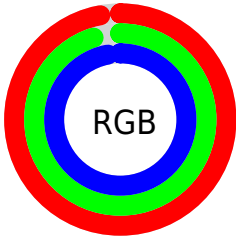
Format	Color
R_{YB}	247, 242, 247
Decimal	16249591
CIE _{Lab}	95.99, 2.52, -1.83
CIE _{LCh}	96, 3.114, 324.080
Yxy	89.9938, 0.3129, 0.3241
Android (android.graphics.Color)	4294439671 (0xFFFF7F2F7)
YUV	244.0650, 1.4470, 2.5740
Hunter-Lab	94.8651, -2.5314, 3.4092

Details

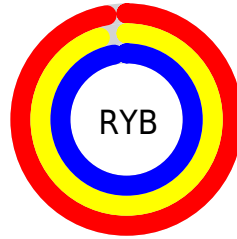
The Yxy color $89.9938, 0.3129, 0.3241$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91.8349, 0.3125, 0.3339$, and the grayscale version is $90.5060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $49.9558, 0.3130, 0.3227$ is the 20% darker color. If you saturate the color by 10%, you get $76.2079, 0.3138, 0.2993$, and if you desaturate by 10%, it is $98.0633, 0.3125, 0.3367$.

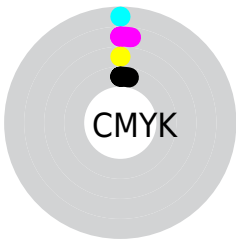
Distribution



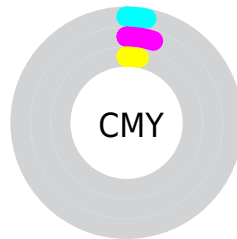
- Red (97%)
- Green (95%)
- Blue (97%)



- Red (97%)
- Yellow (95%)
- Blue (97%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (3%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9938, 0.3129, 0.3241 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 89.9938, 0.3129, 0.3241 by changing the saturation by 10% instead.

 89.9938, 0.3129,
0.3241

 89.9938, 0.3129,
0.3241


528.0107, 0.3128,
0.3263

 67.9755, 0.3129,
0.3236


147.3298, 0.3129,
0.3248

 49.8778, 0.3129,
0.3230


183.4163, 0.3129,
0.3251

 35.3163, 0.3130,
0.3223


224.9609, 0.3129,
0.3254

 23.9066, 0.3130,
0.3214

272.3481, 0.3128,
0.3256

 15.2644, 0.3130,
0.3202

325.9623, 0.3128,
0.3258

 9.0051, 0.3131,
0.3185

386.1879, 0.3128,

 4.7445, 0.3131,

0.3260

0.3160

453.4092, 0.3128,
0.3261

■ 2.0982, 0.3132,
0.3121

■ 0.6636, 0.3138,
0.3008

■ 89.9938, 0.3129,
0.3241

■ 89.9938, 0.3129,
0.3241

■ 76.2079, 0.3138,
0.2993

■ 98.0633, 0.3125,
0.3367

■ 64.3251, 0.3147,
0.2740

■ 98.1271, 0.3127,
0.3367

■ 54.2649, 0.3155,
0.2491

■ 98.1910, 0.3130,
0.3367

■ 45.9366, 0.3163,
0.2253

■ 98.2551, 0.3132,
0.3367

39.2420, 0.3169,
0.2037

98.3192, 0.3134,
0.3367

34.0727, 0.3173,
0.1852

98.3835, 0.3136,
0.3367

30.3076, 0.3176,
0.1707

98.4479, 0.3138,
0.3367

27.8068, 0.3177,
0.1604

98.5124, 0.3140,
0.3367

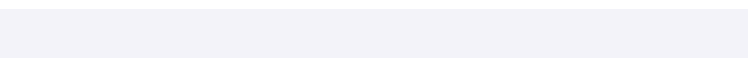
26.4021, 0.3175,
0.1545

98.5771, 0.3143,
0.3367

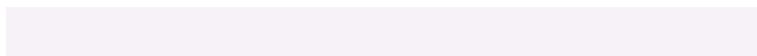
Harmonies

Analogous

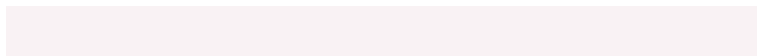
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9938, 0.3095, 0.3230



89.9938, 0.3129, 0.3241



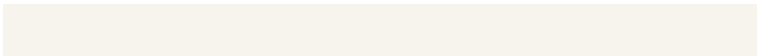
89.9938, 0.3163, 0.3265

Triad

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



89.9938, 0.3129, 0.3241



89.9938, 0.3186, 0.3345



89.9938, 0.3067, 0.3285

Complementary

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



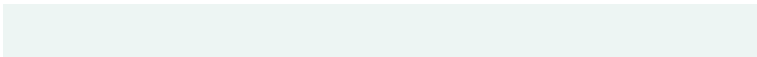
89.9938, 0.3129, 0.3241



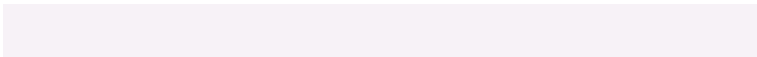
91.8349, 0.3125, 0.3339

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.



89.9938, 0.3091, 0.3316



89.9938, 0.3129, 0.3241



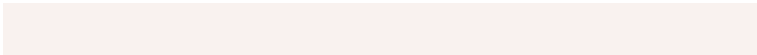
89.9938, 0.3160, 0.3351

Square

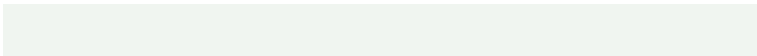
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.9938, 0.3129, 0.3241



89.9938, 0.3196, 0.3324



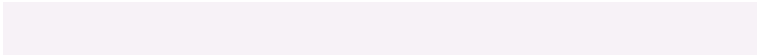
89.9938, 0.3125, 0.3340



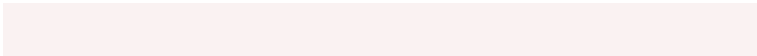
89.9938, 0.3059, 0.3255

Rectangle

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



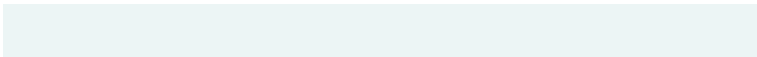
89.9938, 0.3129, 0.3241



89.9938, 0.3181, 0.3285



89.9938, 0.3125, 0.3340



89.9938, 0.3074, 0.3296

Sweetspot

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



89.9977, 0.3129, 0.3241



98.3769, 0.3128, 0.3266



89.1651, 0.3097, 0.3241



21.0738, 0.3128, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

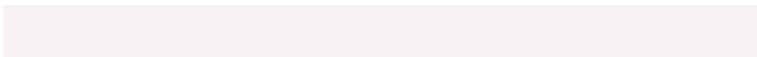
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9977, 0.3129, 0.3241



96.7754, 0.3129, 0.3241



89.8626, 0.3144, 0.3265



19.0008, 0.3129, 0.3244



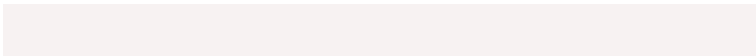
13.6817, 0.3174, 0.1522



1.2063, 0.3179, 0.1525

Inverse Universe

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



89.7108, 0.3159, 0.3289



96.4695, 0.3159, 0.3289



91.9683, 0.3111, 0.3315



18.9440, 0.3157, 0.3289



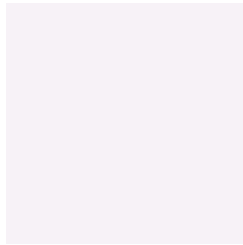
10.4637, 0.6386, 0.3292



0.9210, 0.6348, 0.3271

Previews

White Background



This preview shows how the Yxy color 89.9938, 0.3129, 0.3241 looks on a white background.

Color Contrast Check

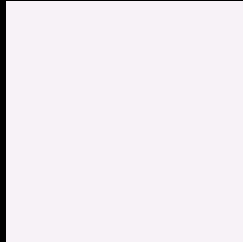
Large Text (above 18pt) WCAG AA × Fail

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 89.9938, 0.3129, 0.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

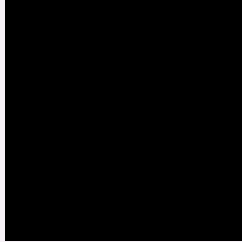
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

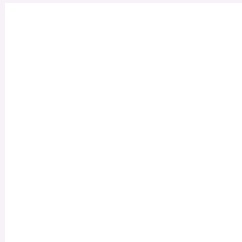
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9938, 0.3129, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 89.9938, 0.3129, 0.3241.

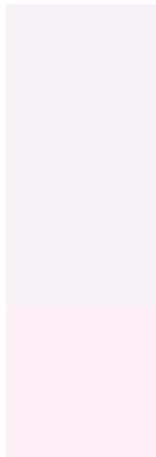


This preview shows how white text looks on a background with the Yxy color 89.9938, 0.3129, 0.3241.

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

89.9938, 0.3129, 0.3241

Protanopia

89.9938, 0.3129, 0.3241

Deuteranopia

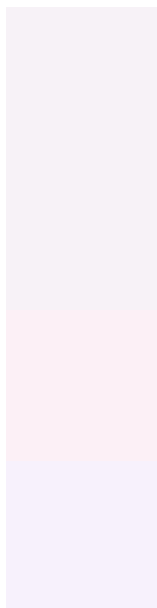
89.6468, 0.3190, 0.3222



Tritanopia

89.9048, 0.3082, 0.3153

Trichromacy



Original Color

89.9938, 0.3129, 0.3241

Protanomaly

89.9938, 0.3129, 0.3241

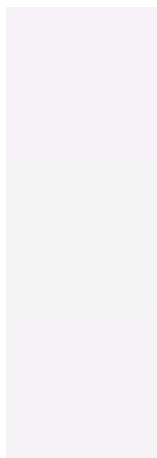
Deuteranomaly

89.6694, 0.3169, 0.3232

Tritanomaly

89.7130, 0.3100, 0.3182

Monochromacy



Original Color

89.9938, 0.3129, 0.3241

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.1062, 0.3128, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9938, 0.3129, 0.3241 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 $rgb(247, 242, 247)$ looks like.

```
.text, #text, p{  
    color:rgb(247, 242, 247)  
}
```

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(247, 242, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 242, 247) }
```

Border

The CSS property to change the border of an element to Yxy 89.9938, 0.3129, 0.3241 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(247, 242, 247) }
```

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

```
.border{ border-color:rgb(247, 242, 247) }
```

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

Here you see how a box with a 4 pixel rgb(247, 242, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 242, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 242, 247);  
box-shadow:4px 4px 4px 4px rgb(247, 242,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9938, 0.3129, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 242, 247) }
```

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

```
.background{ background-color: rgb(247,  
242, 247) }
```

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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