

Converting Colors

$Y_{xy}(100.0000, 0.2415, 0.2061)$

Have a look what the booklet for
Yxy(100.0000, 0.2415, 0.2061)
contains.

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Color

Yxy(87.9619, 0.3076, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	F6EEFF
RGB	246, 238, 255
RGB Percent	96%, 93%, 100%
CMY	0.0355, 0.0666, 0.0001
CMYK	0.04, 0.07, 0.00, 0.00
HSL	268°, 100%, 97%
HSV	268°, 7%, 100%
XYZ	86.6104, 87.9619, 106.9959
YIQ	242.3300, -0.6890, 6.9830

Conversions

Conversions Part 2

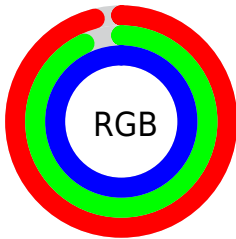
Format	Color
R _Y B	246, 238, 255
Decimal	16183039
CIE Lab	95.14, 5.67, -7.21
CIE LCh	95, 9.173, 308.200
Yxy	87.9619, 0.3076, 0.3124
Android (android.graphics.Color)	4294373119 (0xFF6EEFF)
YUV	242.3300, 6.2463, 3.2186
Hunter-Lab	93.7880, 0.7103, -1.9880

Details

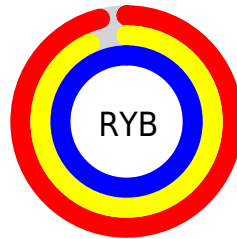
The Yxy color **87.9619, 0.3076, 0.3124** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.4618, 0.3176, 0.3456**, and the grayscale version is **89.0134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4803, 0.3070, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **71.7851, 0.2988, 0.2856**, and if you desaturate by 10%, it is **99.9982, 0.3127, 0.3290**.

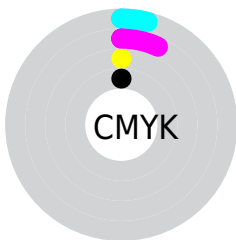
Distribution



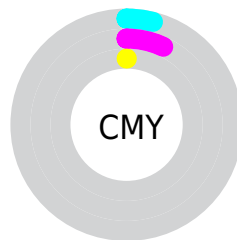
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9619, 0.3076, 0.3124 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 87.9619, 0.3076, 0.3124 by changing the saturation by 10% instead.


 87.9619, 0.3076,
0.3124

 87.9619, 0.3076,
0.3124


521.3785, 0.3099,
0.3198

 66.2915, 0.3071,
0.3108


144.5041, 0.3084,
0.3149

 48.5091, 0.3064,
0.3088


180.1447, 0.3087,
0.3159

 34.2302, 0.3057,
0.3064


221.2109, 0.3090,
0.3167

 23.0705, 0.3046,
0.3034

268.0870, 0.3092,
0.3175

 14.6456, 0.3033,
0.2993

321.1574, 0.3094,
0.3182

 8.5710, 0.3013,
0.2938

380.8065, 0.3096,

 4.4625, 0.2984,

0.3187

0.2857

447.4187, 0.3098,
0.3193

■ 1.9355, 0.2936,
0.2729

■ 0.5696, 0.2853,
0.2391

■ 87.9619, 0.3076,
0.3124

■ 87.9619, 0.3076,
0.3124

■ 71.7851, 0.2988,
0.2856

99.9982, 0.3127,
0.3290

■ 57.7952, 0.2886,
0.2568

■ 45.8980, 0.2771,
0.2267

■ 35.9879, 0.2643,
0.1962

■ 27.9496, 0.2506,
0.1666

■ 21.6556, 0.2364,
0.1396

■ 16.9620, 0.2225,
0.1166

■ 13.7002, 0.2094,
0.0990

■ 11.6595, 0.1977,
0.0873

Harmonies

Analogous

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



87.9619, 0.2986, 0.3116



87.9619, 0.3076, 0.3124



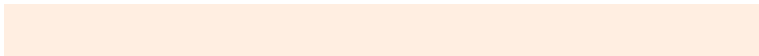
87.9619, 0.3181, 0.3175

Triad

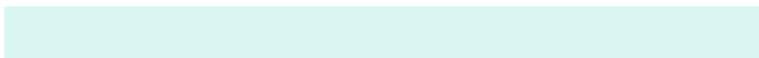
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9619, 0.3076, 0.3124



87.9619, 0.3324, 0.3424



87.9619, 0.2983, 0.3324

Complementary

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



87.9619, 0.3076, 0.3124



97.4618, 0.3176, 0.3456

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.



87.9619, 0.3071, 0.3410



87.9619, 0.3076, 0.3124



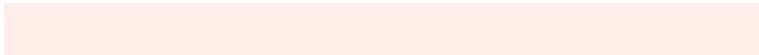
87.9619, 0.3269, 0.3467

Square

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



87.9619, 0.3076, 0.3124



87.9619, 0.3326, 0.3346



87.9619, 0.3176, 0.3463



87.9619, 0.2933, 0.3229

Rectangle

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



87.9619, 0.3076, 0.3124



87.9619, 0.3246, 0.3226



87.9619, 0.3176, 0.3463



87.9619, 0.3009, 0.3355

Sweetspot

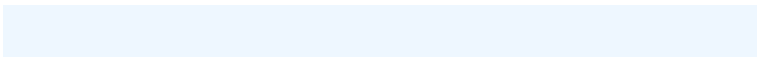
The Sweet Spot groups the original color and five complimentary colors.



87.9657, 0.3076, 0.3124



96.2771, 0.3112, 0.3241



91.9614, 0.3024, 0.3212



20.6463, 0.3113, 0.3244



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.



87.9657, 0.3076, 0.3124



85.6633, 0.3065, 0.3089



89.5315, 0.3131, 0.3127



17.7934, 0.3052, 0.3050



5.9110, 0.1958, 0.0852



0.6398, 0.2083, 0.0921

Inverse Universe

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



89.1394, 0.3184, 0.3203



87.0695, 0.3196, 0.3184



95.9566, 0.3123, 0.3458



18.1490, 0.3210, 0.3164



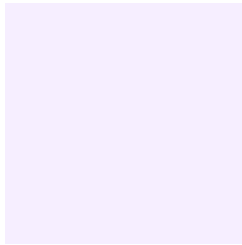
12.0673, 0.4824, 0.2431



1.1970, 0.4589, 0.2301

Previews

White Background



This preview shows how the Yxy color 87.9619, 0.3076, 0.3124 looks on a white background.

Color Contrast Check

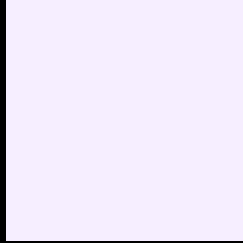
Large Text (above 18pt) WCAG AA × Fail

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 87.9619, 0.3076, 0.3124 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

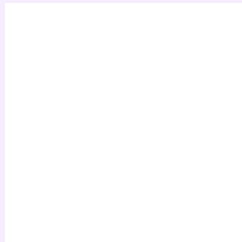
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9619, 0.3076, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 87.9619, 0.3076, 0.3124.



This preview shows how white text looks on a background with the Yxy color 87.9619, 0.3076, 0.3124.

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

87.9619, 0.3076, 0.3124

Protanopia

88.2409, 0.3044, 0.3142

Deuteranopia

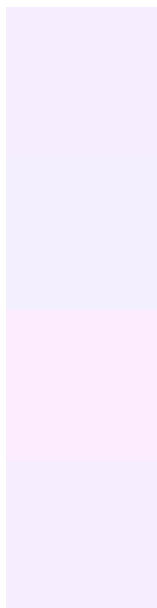
87.7685, 0.3149, 0.3116



Tritanopia

87.9619, 0.3076, 0.3124

Trichromacy



Original Color

87.9619, 0.3076, 0.3124

Protanomaly

88.0077, 0.3057, 0.3132

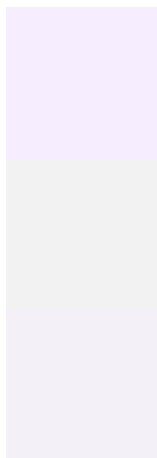
Deuteranomaly

87.8421, 0.3122, 0.3115

Tritanomaly

87.9619, 0.3076, 0.3124

Monochromacy



Original Color

87.9619, 0.3076, 0.3124

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.6807, 0.3104, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9619, 0.3076, 0.3124 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(246, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 238, 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(246, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.9619, 0.3076, 0.3124 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(246, 238, 255) }
```

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

```
.border{ border-color:rgb(246, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9619, 0.3076, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 238, 255) }
```

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

```
.background{ background-color: rgb(246,  
238, 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](#).

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