

Converting Colors

$Y_{xy}(82.1080, 0.3122, 0.3160)$

Have a look what the booklet for
Yxy(82.1080, 0.3122, 0.3160)
contains.

Yxy(81.9419, 0.3127, 0.3159)	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(81.9419, 0.3127, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	F2E6F3
RGB	242, 230, 243
RGB Percent	95%, 90%, 95%
CMY	0.0507, 0.0981, 0.0470
CMYK	0.00, 0.05, 0.00, 0.05
HSL	296°, 35%, 93%
HSV	296°, 5%, 95%
XYZ	81.1118, 81.9419, 96.3382
YIQ	235.0700, 2.9790, 6.5870

Conversions

Conversions Part 2

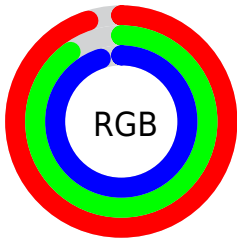
Format	Color
R _Y B	242, 230, 243
Decimal	15918835
CIE Lab	92.55, 6.38, -4.85
CIE LCh	93, 8.012, 322.750
Yxy	81.9419, 0.3127, 0.3159
Android (android.graphics.Color)	4294108915 (0xFF2E6F3)
YUV	235.0700, 3.9095, 6.0776
Hunter-Lab	90.5218, 1.5315, 0.2656

Details

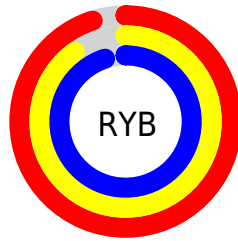
The Yxy color **81.9419, 0.3127, 0.3159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7904, 0.3127, 0.3424**, and the grayscale version is **83.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6869, 0.3126, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **69.0459, 0.3125, 0.2907**, and if you desaturate by 10%, it is **96.7331, 0.3127, 0.3401**.

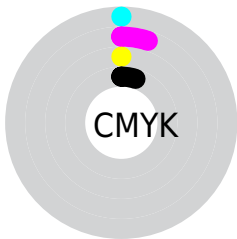
Distribution



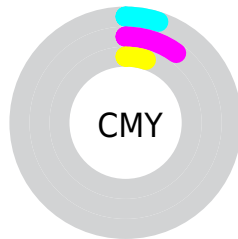
- Red (95%)
- Green (90%)
- Blue (95%)



- Red (95%)
- Yellow (90%)
- Blue (95%)



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





- Cyan (5%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9419, 0.3127, 0.3159 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 81.9419, 0.3127, 0.3159 by changing the saturation by 10% instead.


 81.9419, 0.3127,
0.3159

 81.9419, 0.3127,
0.3159


501.4533, 0.3127,
0.3218

 61.3176, 0.3127,
0.3146

136.0925, 0.3127,
0.3179

 44.4816, 0.3127,
0.3130


170.3877, 0.3127,
0.3187

 31.0493, 0.3126,
0.3110


210.0086, 0.3127,
0.3194

 20.6364, 0.3126,
0.3085

255.3397, 0.3127,
0.3200

 12.8585, 0.3125,
0.3051

306.7653, 0.3127,
0.3205

 7.3312, 0.3124,
0.3004

364.6698, 0.3127,

 3.6701, 0.3121,

0.3210

0.2933

429.4377, 0.3127,
0.3214

■ 1.4908, 0.3116,
0.2817

■ 0.2822, 0.3134,
0.2087

■ 81.9419, 0.3127,
0.3159

■ 81.9419, 0.3127,
0.3159

■ 69.0459, 0.3125,
0.2907

■ 96.7331, 0.3127,
0.3401

■ 57.9569, 0.3122,
0.2651

■ 97.5016, 0.3137,
0.3407

■ 48.5957, 0.3116,
0.2399

■ 97.8157, 0.3148,
0.3407

■ 40.8727, 0.3108,
0.2159

■ 98.1328, 0.3159,
0.3406

34.6906, 0.3098,
0.1942

98.4528, 0.3170,
0.3406

29.9415, 0.3085,
0.1758

98.7757, 0.3181,
0.3406

26.5040, 0.3070,
0.1614

99.1016, 0.3192,
0.3405

24.2361, 0.3054,
0.1515

99.2514, 0.3197,
0.3405

22.9632, 0.3036,
0.1458

Harmonies

Analogous

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



81.9419, 0.3037, 0.3132



81.9419, 0.3127, 0.3159



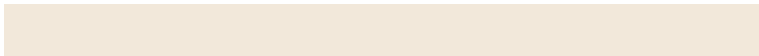
81.9419, 0.3218, 0.3219

Triad

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



81.9419, 0.3127, 0.3159



81.9419, 0.3285, 0.3433



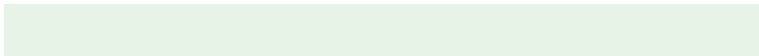
81.9419, 0.2971, 0.3279

Complementary

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



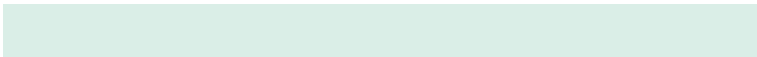
81.9419, 0.3127, 0.3159



86.7904, 0.3127, 0.3424

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.



81.9419, 0.3036, 0.3362



81.9419, 0.3127, 0.3159



81.9419, 0.3217, 0.3452

Square

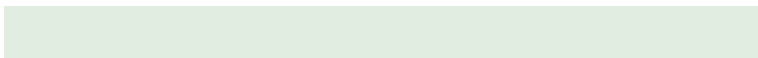
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9419, 0.3127, 0.3159



81.9419, 0.3310, 0.3377



81.9419, 0.3125, 0.3426



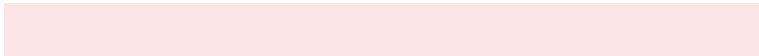
81.9419, 0.2948, 0.3200

Rectangle

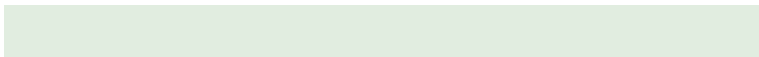
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9419, 0.3127, 0.3159



81.9419, 0.3267, 0.3271



81.9419, 0.3125, 0.3426



81.9419, 0.2989, 0.3307

Sweetspot

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



81.9454, 0.3127, 0.3159



96.7202, 0.3127, 0.3241



80.4805, 0.3046, 0.3167



20.7364, 0.3127, 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.



81.9454, 0.3127, 0.3159



90.4173, 0.3127, 0.3143



81.7872, 0.3168, 0.3213



17.5340, 0.3127, 0.3127



12.4213, 0.3031, 0.1443



1.1094, 0.3054, 0.1456

Inverse Universe

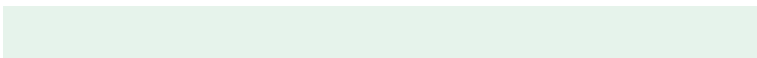
The Inverse Universe completely reimagines the original color for something new.



81.4034, 0.3211, 0.3281



89.7421, 0.3222, 0.3280



86.9459, 0.3088, 0.3368



17.3886, 0.3232, 0.3279



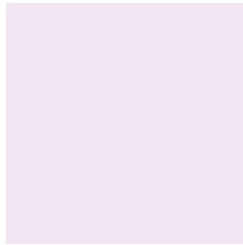
10.4877, 0.6325, 0.3258



0.9283, 0.6146, 0.3159

Previews

White Background



This preview shows how the Yxy color 81.9419, 0.3127, 0.3159 looks on a white background.

Color Contrast Check

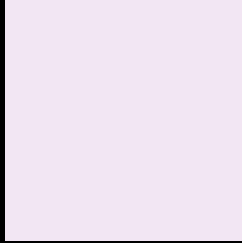
Large Text (above 18pt) WCAG AA × Fail

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 81.9419, 0.3127, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

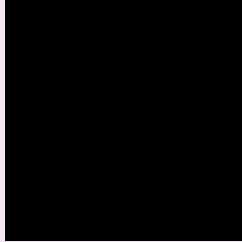
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

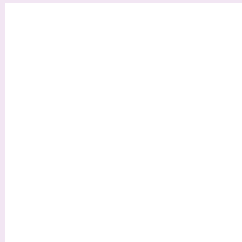
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9419, 0.3127, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 81.9419, 0.3127, 0.3159.

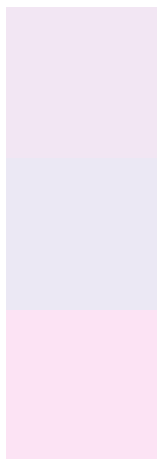


This preview shows how white text looks on a background with the Yxy color 81.9419, 0.3127, 0.3159.

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

81.9419, 0.3127, 0.3159

Protanopia

81.9070, 0.3073, 0.3168

Deuteranopia

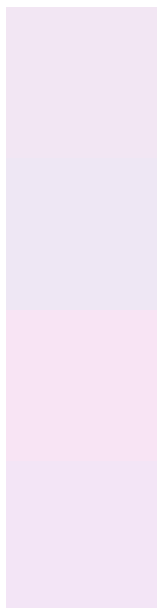
82.1653, 0.3190, 0.3123



Tritanopia

81.8087, 0.3108, 0.3110

Trichromacy



Original Color

81.9419, 0.3127, 0.3159

Protanomaly

81.8606, 0.3093, 0.3158

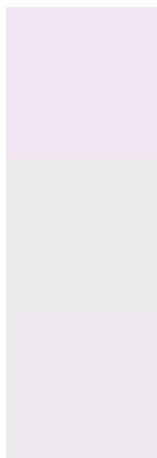
Deuteranomaly

81.9749, 0.3162, 0.3131

Tritanomaly

81.7471, 0.3115, 0.3120

Monochromacy



Original Color

81.9419, 0.3127, 0.3159

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.6280, 0.3130, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9419, 0.3127, 0.3159 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(242, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(242, 230, 243)  
}
```

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(242, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 81.9419, 0.3127, 0.3159 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(242, 230, 243) }
```

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

```
.border{ border-color:rgb(242, 230, 243) }
```

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

Here you see how a box with a 4 pixel rgb(242, 230, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(242, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9419, 0.3127, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 230, 243) }
```

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

```
.background{ background-color: rgb(242,  
230, 243) }
```

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