

Converting Colors

Yxy(81.5900, 0.3113, 0.3159)

Have a look what the booklet for
Yxy(81.5900, 0.3113, 0.3159)
contains.

Yxy(81.5900, 0.3113, 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(81.5900, 0.3113, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	F0E6F3
RGB	240, 230, 243
RGB Percent	94%, 90%, 95%
CMY	0.0589, 0.0980, 0.0471
CMYK	0.01, 0.05, 0.00, 0.05
HSL	286°, 35%, 93%
HSV	286°, 5%, 95%
XYZ	80.4019, 81.5900, 96.2860
YIQ	234.4720, 1.7870, 6.1630

Conversions

Conversions Part 2

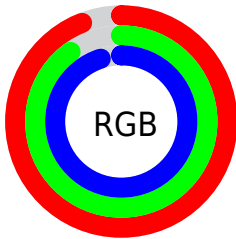
Format	Color
R _Y B	240, 230, 243
Decimal	15787763
CIE Lab	92.39, 5.66, -5.08
CIE LCh	92, 7.608, 318.076
Yxy	81.5900, 0.3113, 0.3159
Android (android.graphics.Color)	4293977843 (0xFFFF0E6F3)
YUV	234.4720, 4.2043, 4.8481
Hunter-Lab	90.3272, 0.8136, 0.0277

Details

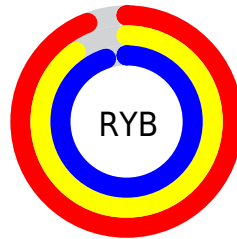
The Yxy color **81.5900, 0.3113, 0.3159** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1272, 0.3140, 0.3423**, and the grayscale version is **82.6219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4381, 0.3108, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **68.0307, 0.3082, 0.2903**, and if you desaturate by 10%, it is **97.0716, 0.3138, 0.3401**.

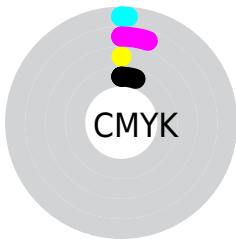
Distribution



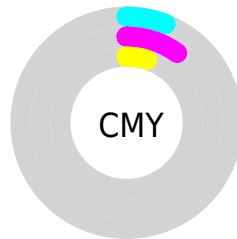
- Red (94%)
- Green (90%)
- Blue (95%)



- Red (94%)
- Yellow (90%)
- Blue (95%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)





- Cyan (6%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5900, 0.3113, 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 81.5900, 0.3113, 0.3159 by changing the saturation by 10% instead.

 81.5900, 0.3113,
0.3159

 81.5900, 0.3113,
0.3159


500.2752, 0.3120,
0.3218

 61.0276, 0.3111,
0.3146

135.5989, 0.3115,
0.3179

 44.2475, 0.3110,
0.3130


169.8142, 0.3116,
0.3187

 30.8651, 0.3107,
0.3110


209.3493, 0.3117,
0.3194

 20.4962, 0.3104,
0.3084

254.5886, 0.3118,
0.3200

 12.7562, 0.3099,
0.3050

305.9164, 0.3118,
0.3205

 7.2609, 0.3093,
0.3003

363.7172, 0.3119,

 3.6258, 0.3082,

0.3210

0.2932

428.3753, 0.3119,
0.3214

■ 1.4665, 0.3064,
0.2815

■ 0.2650, 0.3003,
0.2040

■ 81.5900, 0.3113,
0.3159

■ 81.5900, 0.3113,
0.3159

■ 68.0307, 0.3082,
0.2903

■ 97.0716, 0.3138,
0.3401

■ 56.3055, 0.3045,
0.2637

■ 98.5382, 0.3173,
0.3406

■ 46.3346, 0.3001,
0.2368

■ 99.2497, 0.3197,
0.3405

■ 38.0285, 0.2951,
0.2105

■ 31.2896, 0.2895,
0.1860

■ 26.0098, 0.2836,
0.1643

■ 22.0673, 0.2773,
0.1464

■ 19.3201, 0.2710,
0.1332

■ 17.5934, 0.2649,
0.1246

Harmonies

Analogous

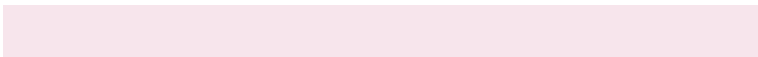
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5900, 0.3030, 0.3140



81.5900, 0.3113, 0.3159



81.5900, 0.3201, 0.3212

Triad

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



81.5900, 0.3113, 0.3159



81.5900, 0.3284, 0.3420



81.5900, 0.2986, 0.3292

Complementary

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



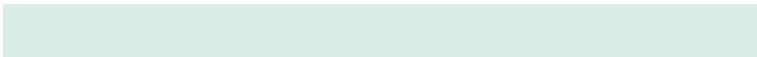
81.5900, 0.3113, 0.3159



87.1272, 0.3140, 0.3423

Split Complementary

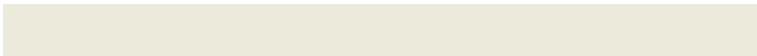
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.5900, 0.3052, 0.3370



81.5900, 0.3113, 0.3159



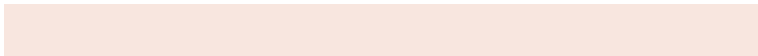
81.5900, 0.3224, 0.3444

Square

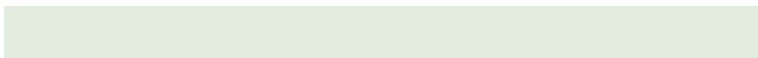
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5900, 0.3113, 0.3159



81.5900, 0.3301, 0.3362



81.5900, 0.3140, 0.3426



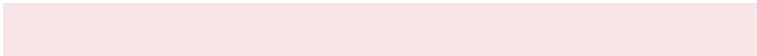
81.5900, 0.2957, 0.3215

Rectangle

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



81.5900, 0.3113, 0.3159



81.5900, 0.3251, 0.3260



81.5900, 0.3140, 0.3426



81.5900, 0.3005, 0.3319

Sweetspot

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



81.5935, 0.3113, 0.3159



96.5663, 0.3122, 0.3241



81.5951, 0.3046, 0.3188



20.7051, 0.3122, 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.



81.5935, 0.3113, 0.3159



89.9593, 0.3111, 0.3142



81.9152, 0.3155, 0.3194



17.4350, 0.3109, 0.3126



9.4033, 0.2630, 0.1222



0.8722, 0.2706, 0.1264

Inverse Universe

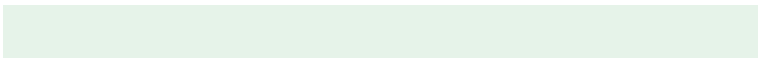
The Inverse Universe completely reimagines the original color for something new.



81.5361, 0.3197, 0.3260



89.8890, 0.3207, 0.3256



86.8234, 0.3100, 0.3388



17.4202, 0.3215, 0.3252



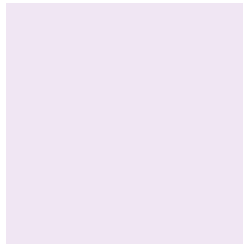
10.6324, 0.5989, 0.3073



0.9497, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 81.5900, 0.3113, 0.3159 looks on a white background.

Color Contrast Check

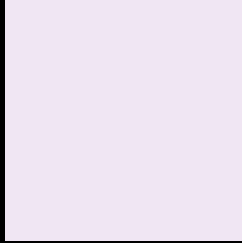
Large Text (above 18pt) WCAG AA × Fail

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 81.5900, 0.3113, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

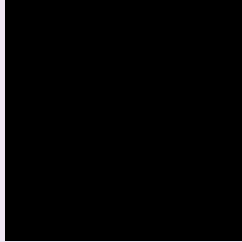
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

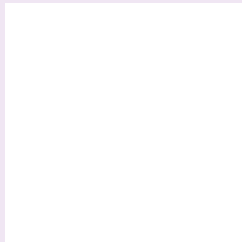
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.5900, 0.3113, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 81.5900, 0.3113, 0.3159.

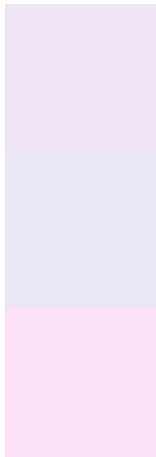


This preview shows how white text looks on a background with the Yxy color 81.5900, 0.3113, 0.3159.

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

81.5900, 0.3113, 0.3159

Protanopia

81.7373, 0.3066, 0.3168

Deuteranopia

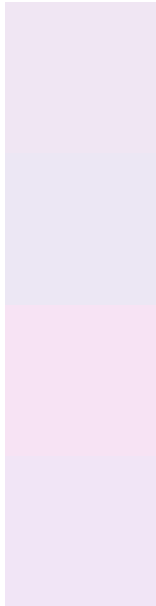
81.4336, 0.3184, 0.3112



Tritanopia

81.4548, 0.3095, 0.3109

Trichromacy



Original Color

81.5900, 0.3113, 0.3159

Protanomaly

81.5163, 0.3080, 0.3158

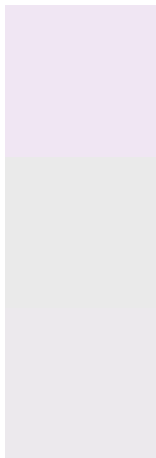
Deuteranomaly

81.2440, 0.3156, 0.3121

Tritanomaly

81.3932, 0.3101, 0.3119

Monochromacy



Original Color

81.5900, 0.3113, 0.3159

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2251, 0.3122, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5900, 0.3113, 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(240, 230, 243)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 230, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 243) }
```

Border

The CSS property to change the border of an element to Yxy 81.5900, 0.3113, 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(240, 230, 243) }
```

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

```
.border{ border-color:rgb(240, 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(240, 230, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 243);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5900, 0.3113, 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(240, 230, 243) }
```

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

```
.background{ background-color: rgb(240,  
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