

Converting Colors

Yxy(81.8404, 0.3144, 0.3116)

Have a look what the booklet for
Yxy(81.8404, 0.3144, 0.3116)
contains.

Yxy(81.8535, 0.3149, 0.3121)	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(81.8535, 0.3149, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	F7E4F5
RGB	247, 228, 245
RGB Percent	97%, 89%, 96%
CMY	0.0313, 0.1059, 0.0392
CMYK	0.00, 0.08, 0.01, 0.03
HSL	306°, 54%, 93%
HSV	306°, 8%, 97%
XYZ	82.5878, 81.8535, 97.8256
YIQ	235.6190, 5.8670, 9.3150

Conversions

Conversions Part 2

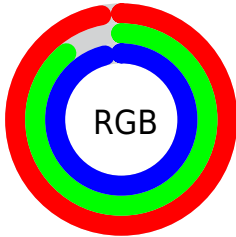
Format	Color
R_{YB}	247, 228, 245
Decimal	16246005
CIE _{Lab}	92.51, 9.41, -5.90
CIE _{LCh}	93, 11.103, 327.899
Yxy	81.8535, 0.3149, 0.3121
Android (android.graphics.Color)	4294436085 (0xFFFF7E4F5)
YUV	235.6190, 4.6248, 9.9811
Hunter-Lab	90.4729, 4.6154, -0.7774

Details

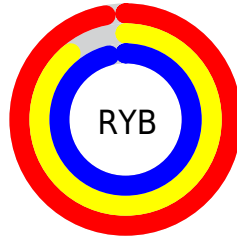
The Yxy color **81.8535, 0.3149, 0.3121** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7460, 0.3106, 0.3465**, and the grayscale version is **83.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6376, 0.3154, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **69.0627, 0.3181, 0.2895**, and if you desaturate by 10%, it is **96.5954, 0.3121, 0.3339**.

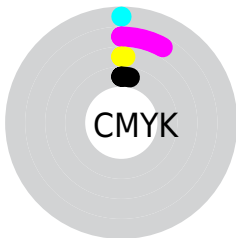
Distribution



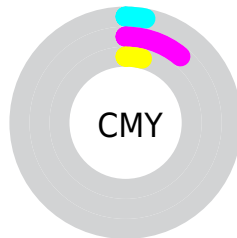
- Red (97%)
- Green (89%)
- Blue (96%)



- Red (97%)
- Yellow (89%)
- Blue (96%)



- Cyan (0%)
- Magenta (8%)
- Yellow (1%)
- Black (3%)





- Cyan (3%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8535, 0.3149, 0.3121 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 81.8535, 0.3149, 0.3121 by changing the saturation by 10% instead.


 81.8535, 0.3149,
0.3121

 81.8535, 0.3149,
0.3121


501.1575, 0.3140,
0.3197

 61.2448, 0.3151,
0.3104


135.9685, 0.3146,
0.3147

 44.4227, 0.3153,
0.3084


170.2437, 0.3145,
0.3157

 31.0030, 0.3156,
0.3059


209.8430, 0.3144,
0.3166

 20.6011, 0.3160,
0.3026

255.1510, 0.3143,
0.3173

 12.8328, 0.3165,
0.2983

306.5521, 0.3142,
0.3180

 7.3135, 0.3171,
0.2924

364.4306, 0.3141,

 3.6589, 0.3179,

0.3186

0.2835

429.1710, 0.3140,
0.3192

■ 1.4847, 0.3191,
0.2691

■ 0.2779, 0.3321,
0.1869

■ 81.8535, 0.3149,
0.3121

■ 81.8535, 0.3149,
0.3121

■ 69.0627, 0.3181,
0.2895

■ 96.5954, 0.3121,
0.3339

■ 58.1306, 0.3216,
0.2667

■ 98.2180, 0.3105,
0.3336

■ 48.9728, 0.3254,
0.2444

■ 98.3851, 0.3090,
0.3310

■ 41.4945, 0.3295,
0.2236

■ 98.5188, 0.3078,
0.3290

■ 35.5921, 0.3337,
0.2051

■ 31.1503, 0.3380,
0.1901

■ 28.0382, 0.3421,
0.1792

■ 26.1017, 0.3460,
0.1727

■ 25.1351, 0.3496,
0.1706

Harmonies

Analogous

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



81.8535, 0.3021, 0.3075



81.8535, 0.3149, 0.3121



81.8535, 0.3273, 0.3210

Triad

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



81.8535, 0.3149, 0.3121



81.8535, 0.3333, 0.3497



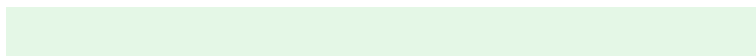
81.8535, 0.2901, 0.3253

Complementary

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



81.8535, 0.3149, 0.3121



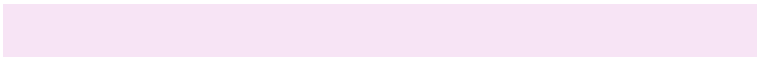
88.7460, 0.3106, 0.3465

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.



81.8535, 0.2982, 0.3371



81.8535, 0.3149, 0.3121



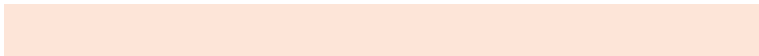
81.8535, 0.3230, 0.3514

Square

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



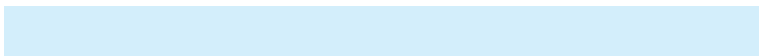
81.8535, 0.3149, 0.3121



81.8535, 0.3380, 0.3425



81.8535, 0.3102, 0.3468



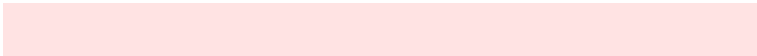
81.8535, 0.2880, 0.3148

Rectangle

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



81.8535, 0.3149, 0.3121



81.8535, 0.3336, 0.3282



81.8535, 0.3102, 0.3468



81.8535, 0.2922, 0.3293

Sweetspot

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



81.8570, 0.3149, 0.3121



96.7540, 0.3133, 0.3247



79.0097, 0.3021, 0.3094



20.7433, 0.3132, 0.3249



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.



81.8570, 0.3149, 0.3121



86.0644, 0.3153, 0.3092



81.2984, 0.3210, 0.3214



16.7360, 0.3154, 0.3081



13.2206, 0.3498, 0.1701



1.1705, 0.3457, 0.1678

Inverse Universe

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



81.8570, 0.3149, 0.3121



86.0644, 0.3153, 0.3092



89.2876, 0.3051, 0.3367



16.7360, 0.3154, 0.3081



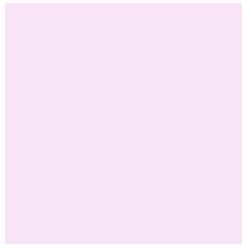
13.2206, 0.3498, 0.1701



1.1705, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 81.8535, 0.3149, 0.3121 looks on a white background.

Color Contrast Check

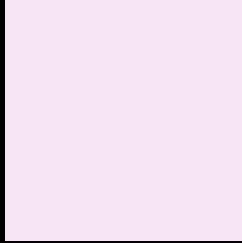
Large Text (above 18pt) WCAG AA × Fail

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 81.8535, 0.3149, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

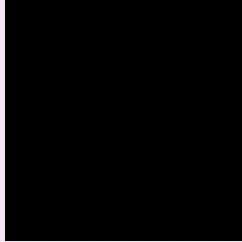
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

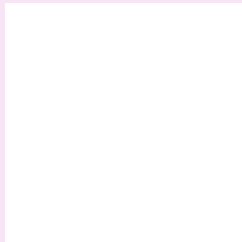
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8535, 0.3149, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 81.8535, 0.3149, 0.3121.



This preview shows how white text looks on a background with the Yxy color 81.8535, 0.3149, 0.3121.

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

81.8535, 0.3149, 0.3121

Protanopia

81.9211, 0.3048, 0.3137

Deuteranopia

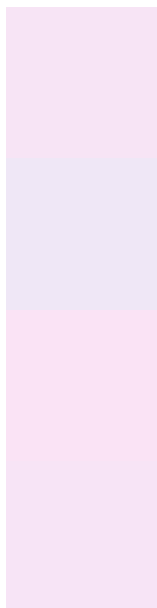
82.0400, 0.3177, 0.3112



Tritanopia

81.9148, 0.3142, 0.3111

Trichromacy



Original Color

81.8535, 0.3149, 0.3121

Protanomaly

82.1564, 0.3087, 0.3139

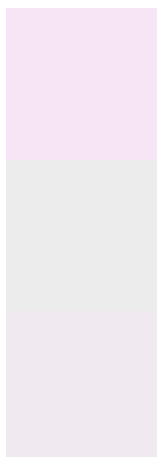
Deuteranomaly

81.8547, 0.3170, 0.3112

Tritanomaly

81.9148, 0.3142, 0.3111

Monochromacy



Original Color

81.8535, 0.3149, 0.3121

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.0351, 0.3137, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8535, 0.3149, 0.3121 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, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(247, 228, 245)  
}
```

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, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 228, 245) }
```

Border

The CSS property to change the border of an element to Yxy 81.8535, 0.3149, 0.3121 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, 228, 245) }
```

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

```
.border{ border-color:rgb(247, 228, 245) }
```

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

Here you see how a box with a 4 pixel rgb(247, 228, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(247, 228,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8535, 0.3149, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 228, 245) }
```

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

```
.background{ background-color: rgb(247,  
228, 245) }
```

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