

Converting Colors

Yxy(81.5542, 0.3181, 0.3170)

Have a look what the booklet for
Yxy(81.5542, 0.3181, 0.3170)
contains.

Yxy(81.5522, 0.3181, 0.3170)	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(81.5522, 0.3181, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	F7E4F0
RGB	247, 228, 240
RGB Percent	97%, 89%, 94%
CMY	0.0313, 0.1059, 0.0588
CMYK	0.00, 0.08, 0.03, 0.03
HSL	322°, 54%, 93%
HSV	322°, 8%, 97%
XYZ	81.8352, 81.5522, 93.8751
YIQ	235.0490, 7.4720, 7.7600

Conversions

Conversions Part 2

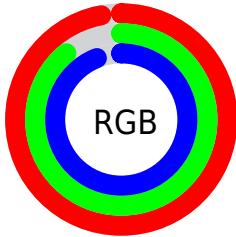
Format	Color
R_{YB}	247, 228, 240
Decimal	16246000
CIE _{Lab}	92.38, 8.53, -3.50
CIE _{LCh}	92, 9.215, 337.702
Yxy	81.5522, 0.3181, 0.3170
Android (android.graphics.Color)	4294436080 (0xFF7E4F0)
YUV	235.0490, 2.4408, 10.4810
Hunter-Lab	90.3063, 3.7201, 1.5813

Details

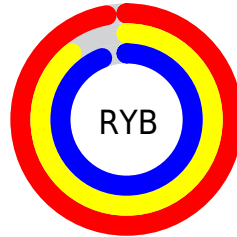
The Yxy color **81.5522, 0.3181, 0.3170** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.0251, 0.3077, 0.3413**, and the grayscale version is **83.0981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4242, 0.3196, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **68.3945, 0.3263, 0.3007**, and if you desaturate by 10%, it is **96.6858, 0.3112, 0.3325**.

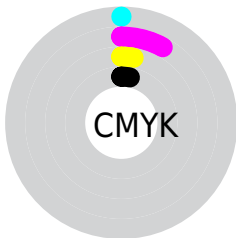
Distribution



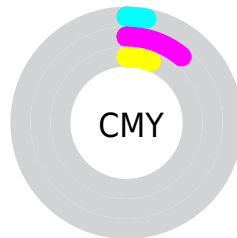
- Red (97%)
- Green (89%)
- Blue (94%)



- Red (97%)
- Yellow (89%)
- Blue (94%)



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





- Cyan (3%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5522, 0.3181, 0.3170 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 81.5522, 0.3181, 0.3170 by changing the saturation by 10% instead.


 81.5522, 0.3181,
0.3170

 81.5522, 0.3181,
0.3170

500.1486, 0.3157,
0.3224

 60.9965, 0.3186,
0.3158


135.5459, 0.3173,
0.3188

 44.2223, 0.3193,
0.3143


169.7526, 0.3170,
0.3196

 30.8453, 0.3201,
0.3125


209.2785, 0.3167,
0.3202

 20.4811, 0.3211,
0.3102

254.5079, 0.3164,
0.3207

 12.7452, 0.3225,
0.3071

305.8252, 0.3162,
0.3212

 7.2534, 0.3245,
0.3027

363.6148, 0.3160,

 3.6210, 0.3274,

0.3217

0.2962

428.2611, 0.3158,
0.3221

■ 1.4639, 0.3321,
0.2855

■ 0.2631, 0.3659,
0.2101

■ 81.5522, 0.3181,
0.3170

■ 81.5522, 0.3181,
0.3170

■ 68.3945, 0.3263,
0.3007

■ 96.6858, 0.3112,
0.3325

■ 57.1198, 0.3359,
0.2840

■ 98.5175, 0.3078,
0.3290

■ 47.6433, 0.3472,
0.2673

■ 39.8699, 0.3601,
0.2515

■ 33.6955, 0.3746,
0.2375

■ 29.0045, 0.3904,
0.2264

■ 25.6655, 0.4070,
0.2194

■ 23.5241, 0.4238,
0.2175

■ 22.3739, 0.4401,
0.2207

Harmonies

Analogous

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



81.5522, 0.3073, 0.3119



81.5522, 0.3181, 0.3170



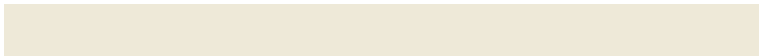
81.5522, 0.3276, 0.3252

Triad

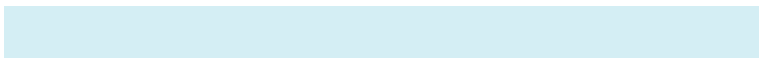
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5522, 0.3181, 0.3170



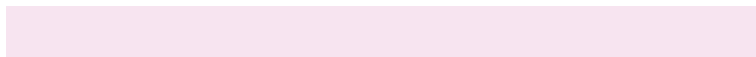
81.5522, 0.3274, 0.3472



81.5522, 0.2928, 0.3229

Complementary

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



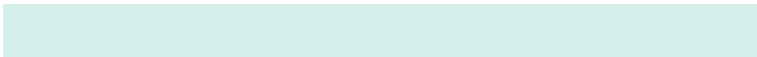
81.5522, 0.3181, 0.3170



89.0251, 0.3077, 0.3413

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.



81.5522, 0.2980, 0.3326



81.5522, 0.3181, 0.3170



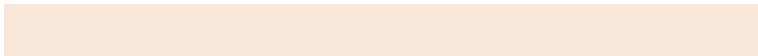
81.5522, 0.3179, 0.3469

Square

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



81.5522, 0.3181, 0.3170



81.5522, 0.3330, 0.3426



81.5522, 0.3071, 0.3415



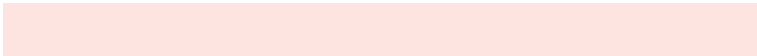
81.5522, 0.2928, 0.3151

Rectangle

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



81.5522, 0.3181, 0.3170



81.5522, 0.3319, 0.3315



81.5522, 0.3071, 0.3415



81.5522, 0.2939, 0.3261

Sweetspot

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



81.5557, 0.3181, 0.3170



96.6687, 0.3140, 0.3259



79.8602, 0.3055, 0.3096



20.7260, 0.3140, 0.3261



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

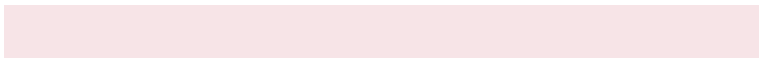
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5557, 0.3181, 0.3170



85.6888, 0.3191, 0.3149



81.0070, 0.3243, 0.3265



16.6587, 0.3195, 0.3142



11.7561, 0.4413, 0.2205



1.0530, 0.4221, 0.2099

Inverse Universe

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



81.5557, 0.3181, 0.3170



85.6888, 0.3191, 0.3149



89.5877, 0.3022, 0.3315



16.6587, 0.3195, 0.3142



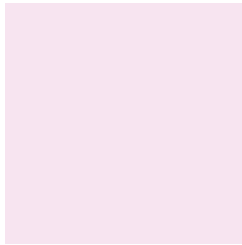
11.7561, 0.4413, 0.2205



1.0530, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 81.5522, 0.3181, 0.3170 looks on a white background.

Color Contrast Check

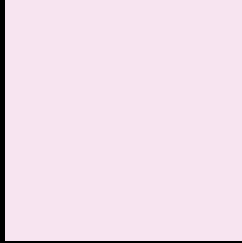
Large Text (above 18pt) WCAG AA × Fail

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 81.5522, 0.3181, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

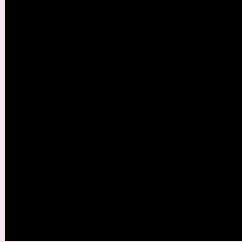
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5522, 0.3181, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 81.5522, 0.3181, 0.3170.

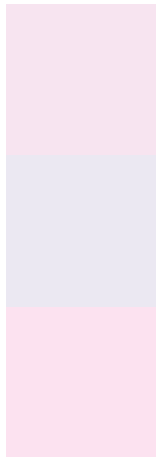


This preview shows how white text looks on a background with the Yxy color 81.5522, 0.3181, 0.3170.

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

81.5522, 0.3181, 0.3170

Protanopia

81.7862, 0.3085, 0.3188

Deuteranopia

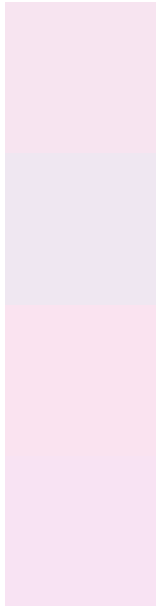
81.3794, 0.3217, 0.3152



Tritanopia

81.4872, 0.3156, 0.3111

Trichromacy



Original Color

81.5522, 0.3181, 0.3170

Protanomaly

81.8534, 0.3118, 0.3189

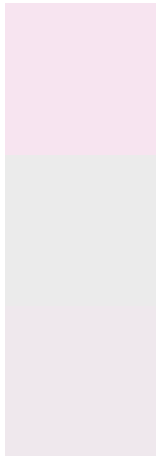
Deuteranomaly

81.5534, 0.3202, 0.3161

Tritanomaly

81.3657, 0.3169, 0.3131

Monochromacy



Original Color

81.5522, 0.3181, 0.3170

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.1784, 0.3143, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5522, 0.3181, 0.3170 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(247, 228, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 228, 240) }
```

Border

The CSS property to change the border of an element to Yxy 81.5522, 0.3181, 0.3170 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, 240) }
```

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

```
.border{ border-color:rgb(247, 228, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 228, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 228, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 228,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5522, 0.3181, 0.3170 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, 240) }
```

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

```
.background{ background-color: rgb(247,  
228, 240) }
```

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