

Converting Colors

$Y_{xy}(80.3978, 0.3136, 0.3100)$

Have a look what the booklet for
Yxy(80.3978, 0.3136, 0.3100)
contains.

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Color

Yxy(80.3978, 0.3136, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	F5E2F5
RGB	245, 226, 245
RGB Percent	96%, 89%, 96%
CMY	0.0392, 0.1137, 0.0392
CMYK	0.00, 0.08, 0.00, 0.04
HSL	300°, 49%, 92%
HSV	300°, 8%, 96%
XYZ	81.3315, 80.3978, 97.6185
YIQ	233.8470, 5.2250, 9.9370

Conversions

Conversions Part 2

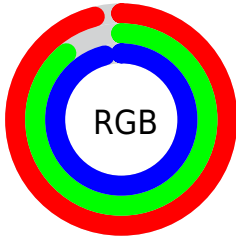
Format	Color
R _{YB}	245, 226, 245
Decimal	16114421
CIE Lab	91.86, 9.76, -6.88
CIE LCh	92, 11.943, 324.829
Yxy	80.3978, 0.3136, 0.3100
Android (android.graphics.Color)	4294304501 (0xFFFF5E2F5)
YUV	233.8470, 5.4984, 9.7812
Hunter-Lab	89.6648, 4.9969, -1.7839

Details

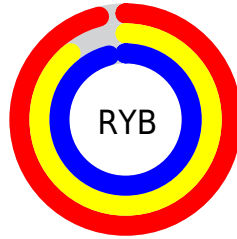
The Yxy color **80.3978, 0.3136, 0.3100** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9696, 0.3118, 0.3488**, and the grayscale version is **82.1139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6188, 0.3138, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **68.0121, 0.3148, 0.2849**, and if you desaturate by 10%, it is **94.6943, 0.3125, 0.3344**.

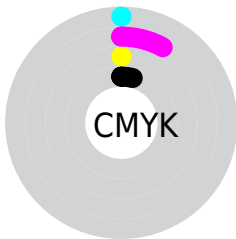
Distribution



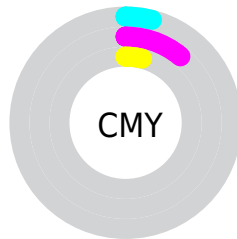
- Red (96%)
- Green (89%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3978, 0.3136, 0.3100 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 80.3978, 0.3136, 0.3100 by changing the saturation by 10% instead.


 80.3978, 0.3136,
0.3100

 80.3978, 0.3136,
0.3100

496.2724, 0.3133,
0.3185

 60.0458, 0.3137,
0.3081


133.9249, 0.3135,
0.3129

 43.4555, 0.3137,
0.3058


167.8687, 0.3134,
0.3140

 30.2427, 0.3138,
0.3030


207.1119, 0.3134,
0.3150

 20.0229, 0.3139,
0.2993

252.0389, 0.3134,
0.3159

 12.4117, 0.3140,
0.2944

303.0340, 0.3133,
0.3167

 7.0247, 0.3141,
0.2877

360.4817, 0.3133,

 3.4775, 0.3141,

0.3174

0.2776

424.7664, 0.3133,
0.3180

■ 1.3858, 0.3139,
0.2612

■ 0.2063, 0.3227,
0.1532

■ 80.3978, 0.3136,
0.3100

■ 80.3978, 0.3136,
0.3100

■ 68.0121, 0.3148,
0.2849

■ 94.6943, 0.3125,
0.3344

■ 57.4463, 0.3159,
0.2598


■ 97.5287, 0.3123,
0.3387

■ 48.6180, 0.3171,
0.2356


■ 97.5312, 0.3123,
0.3387

■ 41.4341, 0.3181,
0.2131


■ 97.5337, 0.3123,
0.3387

 35.7930, 0.3190,
0.1935


 97.5362, 0.3123,
0.3387

 31.5817, 0.3197,
0.1775


 97.5387, 0.3123,
0.3387

 28.6719, 0.3203,
0.1656

 97.5412, 0.3123,
0.3387

 26.9125, 0.3206,
0.1581

 97.5437, 0.3123,
0.3387

 26.1007, 0.3208,
0.1546

 97.5462, 0.3123,
0.3387

Harmonies

Analogous

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



80.3978, 0.3000, 0.3056



80.3978, 0.3136, 0.3100



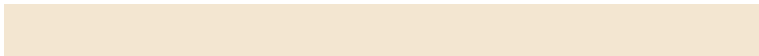
80.3978, 0.3272, 0.3192

Triad

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



80.3978, 0.3136, 0.3100



80.3978, 0.3358, 0.3509



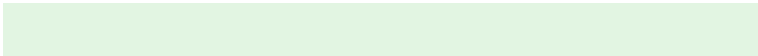
80.3978, 0.2889, 0.3263

Complementary

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



80.3978, 0.3136, 0.3100



86.9696, 0.3118, 0.3488

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.



80.3978, 0.2982, 0.3391



80.3978, 0.3136, 0.3100



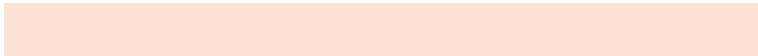
80.3978, 0.3252, 0.3534

Square

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



80.3978, 0.3136, 0.3100



80.3978, 0.3402, 0.3425



80.3978, 0.3114, 0.3491



80.3978, 0.2860, 0.3146

Rectangle

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



80.3978, 0.3136, 0.3100



80.3978, 0.3344, 0.3269



80.3978, 0.3114, 0.3491



80.3978, 0.2914, 0.3306

Sweetspot

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



80.4013, 0.3136, 0.3100



96.7885, 0.3129, 0.3241



77.3329, 0.3007, 0.3096



20.7504, 0.3129, 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.



80.4013, 0.3136, 0.3100



86.2189, 0.3137, 0.3069



79.8563, 0.3196, 0.3191



16.7678, 0.3138, 0.3057



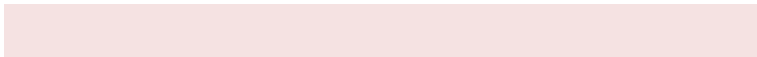
13.9962, 0.3208, 0.1541



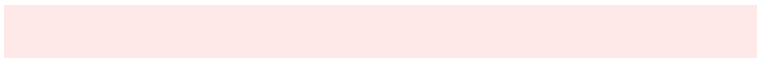
1.2303, 0.3208, 0.1541

Inverse Universe

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



79.3026, 0.3261, 0.3290



84.8312, 0.3285, 0.3290



87.4855, 0.3064, 0.3391



16.4827, 0.3294, 0.3290



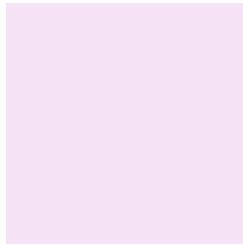
10.4581, 0.6400, 0.3299



0.9192, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 80.3978, 0.3136, 0.3100 looks on a white background.

Color Contrast Check

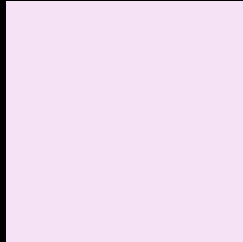
Large Text (above 18pt) WCAG AA × Fail

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 80.3978, 0.3136, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

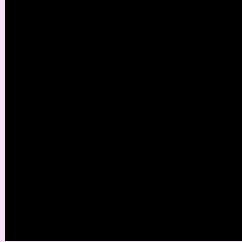
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

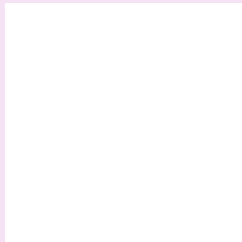
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3978, 0.3136, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 80.3978, 0.3136, 0.3100.



This preview shows how white text looks on a background with the Yxy color 80.3978, 0.3136, 0.3100.

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

80.3978, 0.3136, 0.3100

Protanopia

80.3599, 0.3022, 0.3106

Deuteranopia

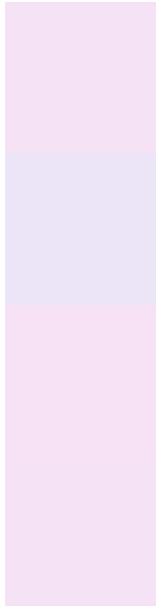
80.3995, 0.3157, 0.3091



Tritanopia

80.3368, 0.3143, 0.3110

Trichromacy



Original Color

80.3978, 0.3136, 0.3100

Protanomaly

80.5869, 0.3061, 0.3107

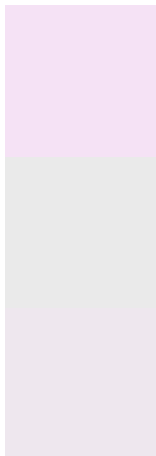
Deuteranomaly

80.2172, 0.3150, 0.3091

Tritanomaly

80.3368, 0.3143, 0.3110

Monochromacy



Original Color

80.3978, 0.3136, 0.3100

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.5020, 0.3131, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3978, 0.3136, 0.3100 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(245, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 226, 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(245, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 226, 245) }
```

Border

The CSS property to change the border of an element to Yxy 80.3978, 0.3136, 0.3100 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(245, 226, 245) }
```

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

```
.border{ border-color:rgb(245, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 226,  
245) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 80.3978, 0.3136, 0.3100$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 226, 245) }
```

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

```
.background{ background-color: rgb(245,  
226, 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](#).

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