Converting Colors

Yxy(80.7044, 0.3133, 0.3118)

Have a look what the booklet for Yxy(80.7044, 0.3133, 0.3118) contains.

Yxy(80.7029, 0.3135, 0.3120) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(80.7029, 0.3135, 0.3120)

Conversions

Format	Color
Hex	F4E3F4
RGB	244, 227, 244
RGB Percent	96%, 89%, 96%
CMY	0.0433, 0.1097, 0.0432
CMYK	0.00, 0.07, 0.00, 0.04
HSL	300°, 43%, 92%
HSV	300°, 7%, 96%
XYZ	81.0909, 80.7029, 96.8693
YIQ	234.0210, 4.6750, 8.8910

Conversions Part 1

Conversions

Conversions Part 2

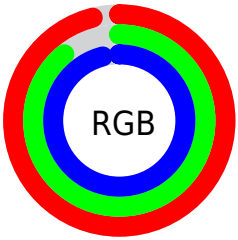
Format	Color
RYB	244, 227, 244
Decimal	16049140
CIELab	92.00, 8.71, -6.15
CIELCh	92, 10.660, 324.765
Yxy	80.7029, 0.3135, 0.3120
Android (android.graphics.Color)	4294239220 (0xFFF4E3F4)
YUV	234.0210, 4.9196, 8.7516
Hunter-Lab	89.8348, 3.9152, -1.0484

Details

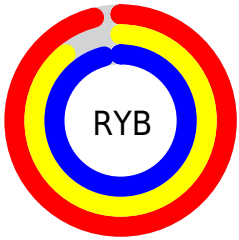
The Yxy color 80.7029, 0.3135, 0.3120 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 86.5712, 0.3119, 0.3466, and the grayscale version is 82.2528, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 43.8273, 0.3137, 0.3085 is the 20% darker color. If you saturate the color by 10%, you get 68.2857, 0.3147, 0.2870, and if you desaturate by 10%, it is 95.0181, 0.3124, 0.3363.

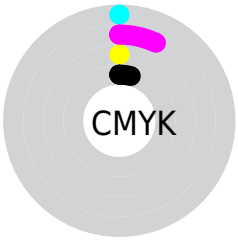
Distribution



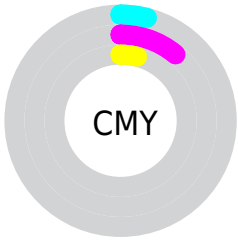
- Red (96%)
- Green (89%)
- Blue (96%)



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



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7029, 0.3135, 0.3120 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 80.7029, 0.3135, 0.3120 by changing the saturation by 10% instead.

80.7029, 0.3135, 0.3120

497.2985, 0.3132, 0.3196

134.3535, 0.3134, 0.3146

168.3670, 0.3134, 0.3156

207.6850, 0.3133, 0.3165

252.6921, 0.3133, 0.3173

303.7726, 0.3133, 0.3180

361.3109, 0.3132,

80.7029, 0.3135, 0.3120

60.2969, 0.3136, 0.3103

43.6580, 0.3136, 0.3083

30.4017, 0.3137, 0.3057

20.1437, 0.3138, 0.3024

12.4996, 0.3139, 0.2980

7.0849, 0.3140, 0.2919

3.5152, 0.3140,

0.3186

0.2829

425.6914, 0.3132, 0.3191

1.4063, 0.3139, 0.2680

0.2213, 0.3216, 0.1683

80.7029, 0.3135, 0.3120

80.7029, 0.3135, 0.3120

68.2857, 0.3147, 0.2870

95.0181, 0.3124, 0.3363

57.6769, 0.3158, 0.2618

97.2852, 0.3122, 0.3398

48.7955, 0.3169, 0.2375

97.2903, 0.3123, 0.3398

41.5498, 0.3179, 0.2149

97.2954, 0.3123, 0.3398

35.8402, 0.3188, 0.1949

97.3005, 0.3123, 0.3398

31.5558, 0.3196, 0.1786

97.3056, 0.3123, 0.3398

28.5712, 0.3201, 0.1664

97.3107, 0.3123, 0.3398

26.7389, 0.3205, 0.1585

97.3158, 0.3123, 0.3398

25.8708, 0.3206, 0.1547

97.3209, 0.3124, 0.3398

Harmonies

Analogous

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

80.7029, 0.3013, 0.3081

80.7029, 0.3135, 0.3120

80.7029, 0.3256, 0.3202

Triad

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

80.7029, 0.3135, 0.3120

80.7029, 0.3333, 0.3485

80.7029, 0.2915, 0.3266

Complementary

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

80.7029, 0.3135, 0.3120

86.5712, 0.3119, 0.3466

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.

80.7029, 0.2998, 0.3380

80.7029, 0.3135, 0.3120

80.7029, 0.3239, 0.3507

Square

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

80.7029, 0.3135, 0.3120

80.7029, 0.3372, 0.3411

80.7029, 0.3116, 0.3469

80.7029, 0.2888, 0.3162

Rectangle

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

80.7029, 0.3135, 0.3120

80.7029, 0.3320, 0.3271

80.7029, 0.3116, 0.3469

80.7029, 0.2937, 0.3305

Sweetspot

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

80.7064, 0.3135, 0.3120

96.7880, 0.3129, 0.3241

77.9710, 0.3021, 0.3117

20.7502, 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.

80.7064, 0.3135, 0.3120

87.6633, 0.3136, 0.3093

80.2233, 0.3188, 0.3202

16.7673, 0.3138, 0.3057

13.9822, 0.3206, 0.1540

1.2292, 0.3207, 0.1540

Inverse Universe

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

79.7283, 0.3246, 0.3290

86.4243, 0.3265, 0.3290

87.0313, 0.3070, 0.3380

16.4828, 0.3294, 0.3290

10.4584, 0.6400, 0.3299

0.9193, 0.6396, 0.3297

Previews

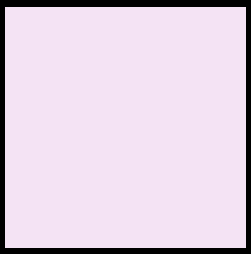
White Background

This preview shows how the Yxy color 80.7029, 0.3135, 0.3120 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



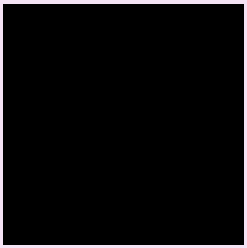
This preview shows how the Yxy color 80.7029, 0.3135, 0.3120 looks on a black background.

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 80.7029, 0.3135, 0.3120 Background



This preview shows how black text looks on a background with the Yxy color 80.7029, 0.3135, 0.3120.

This preview shows how white text looks on a background with the Yxy color 80.7029, 0.3135, 0.3120.

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
80.7029, 0.3135, 0.3120

Protanopia
80.9615, 0.3041, 0.3136

Deuteranopia
80.5218, 0.3171, 0.3101

Tritanopia
80.7638, 0.3129, 0.3110

Trichromacy

Original Color
80.7029, 0.3135, 0.3120

Protanomaly
81.0191, 0.3074, 0.3137

Deuteranomaly
80.6985, 0.3156, 0.3111

Tritanomaly
80.7638, 0.3129, 0.3110

Monochromacy

Original Color
80.7029, 0.3135, 0.3120

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 80.7029, 0.3135, 0.3120 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(244, 227, 244) looks like.

```
.text, #text, p{
    color:rgb(244, 227, 244)
}
```

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(244, 227, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 227, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.7029, 0.3135, 0.3120 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(244, 227, 244) }
```

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

```
.border{ border-color:rgb(244, 227, 244) }
```

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

Here you see how a box with a 4 pixel rgb(244, 227, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 227, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 227, 244); box-shadow:4px 4px 4px 4px rgb(244, 227, 244) }
```

Background

The CSS property to change the background color of an element to Yxy 80.7029, 0.3135, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(244, 227, 244) }
```

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

```
.background{ background-color:rgb(244,
227, 244) }
```

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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