Converting Colors

Yxy(88.4858, 0.3054, 0.2806)

Have a look what the booklet for Yxy(88.4858, 0.3054, 0.2806) contains.

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Color

Yxy(84.5186, 0.3139, 0.3039)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5FF
RGB	255, 229, 255
RGB Percent	100%, 90%, 100%
CMY	0.0001, 0.1019, 0.0001
CMYK	0.00, 0.10, 0.00, 0.00
HSL	300°, 100%, 95%
HSV	300°, 10%, 100%
XYZ	87.2997, 84.5186, 106.2949
YIQ	239.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

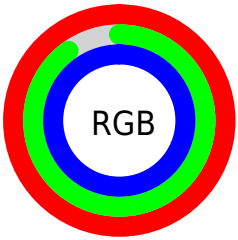
Format	Color
RYB	255, 229, 255
Decimal	16770559
CIELab	93.68, 13.29, -9.31
CIELCh	94, 16.225, 324.995
Yxy	84.5186, 0.3139, 0.3039
Android (android.graphics.Color)	4294960639 (0xFFFFE5FF)
YUV	239.7380, 7.5242, 13.3848
Hunter-Lab	91.9340, 8.6176, -4.1978

Details

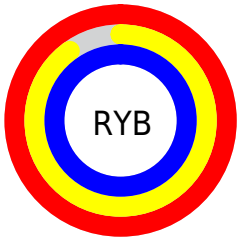
The Yxy color 84.5186, 0.3139, 0.3039 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 93.8271, 0.3115, 0.3554, and the grayscale version is 86.8577, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.3551, 0.3141, 0.2995 is the 20% darker color. If you saturate the color by 10%, you get 71.4311, 0.3151, 0.2787, and if you desaturate by 10%, it is 99.6858, 0.3127, 0.3286.

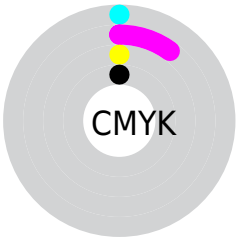
Distribution



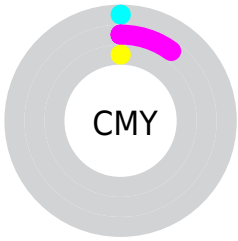
- Red (100%)
- Green (90%)
- Blue (100%)



- Red (100%)
- Yellow (90%)
- Blue (100%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5186, 0.3139, 0.3039 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 84.5186, 0.3139, 0.3039 by changing the saturation by 10% instead.

84.5186, 0.3139, 0.3039

510.0338, 0.3135, 0.3150

139.7004, 0.3138, 0.3077

174.5761, 0.3137, 0.3091

214.8208, 0.3137, 0.3104

260.8189, 0.3136, 0.3116

312.9549, 0.3136, 0.3126

371.6131, 0.3135,

84.5186, 0.3139, 0.3039

63.4437, 0.3140, 0.3015

46.2002, 0.3141, 0.2986

32.4039, 0.3141, 0.2949

21.6702, 0.3142, 0.2903

13.6147, 0.3143, 0.2843

7.8532, 0.3143, 0.2761

4.0012, 0.3142,

0.3135

0.2641

437.1779, 0.3135, 0.3143

1.6742, 0.3137, 0.2453

0.4069, 0.3207, 0.1835

84.5186, 0.3139, 0.3039

84.5186, 0.3139, 0.3039

71.4311, 0.3151, 0.2787

99.6858, 0.3127, 0.3286

60.3222, 0.3163, 0.2537

99.9957, 0.3127, 0.3290

51.0991, 0.3174, 0.2298

99.9963, 0.3127, 0.3290

43.6571, 0.3184, 0.2079

99.9964, 0.3127, 0.3290

37.8814, 0.3193, 0.1891

33.6437, 0.3200, 0.1741

30.7971, 0.3206, 0.1634

29.1664, 0.3209, 0.1570

28.4692, 0.3210, 0.1542

Harmonies

Analogous

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

84.5186, 0.2958, 0.2980

84.5186, 0.3139, 0.3039

84.5186, 0.3322, 0.3160

Triad

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

84.5186, 0.3139, 0.3039

84.5186, 0.3435, 0.3582

84.5186, 0.2810, 0.3251

Complementary

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

84.5186, 0.3139, 0.3039

93.8271, 0.3115, 0.3554

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.

84.5186, 0.2932, 0.3424

84.5186, 0.3139, 0.3039

84.5186, 0.3292, 0.3618

Square

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

84.5186, 0.3139, 0.3039

84.5186, 0.3496, 0.3469

84.5186, 0.3107, 0.3561

84.5186, 0.2772, 0.3096

Rectangle

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

84.5186, 0.3139, 0.3039

84.5186, 0.3419, 0.3261

84.5186, 0.3107, 0.3561

84.5186, 0.2843, 0.3309

Sweetspot

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

84.5223, 0.3139, 0.3039

95.2156, 0.3131, 0.3217

79.9272, 0.2967, 0.3025

20.1133, 0.3132, 0.3197

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.

84.5223, 0.3139, 0.3039

82.0059, 0.3141, 0.2993

83.7148, 0.3222, 0.3163

18.3003, 0.3138, 0.3056

14.8783, 0.3210, 0.1542

1.4487, 0.3210, 0.1542

Inverse Universe

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

84.5223, 0.3139, 0.3039

82.0059, 0.3141, 0.2993

94.5792, 0.3042, 0.3421

18.3003, 0.3138, 0.3056

14.8783, 0.3210, 0.1542

1.4487, 0.3210, 0.1542

Previews

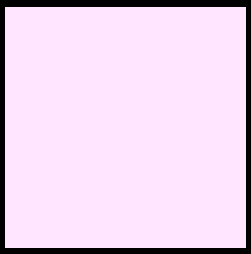
White Background

This preview shows how the Yxy color 84.5186, 0.3139, 0.3039 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



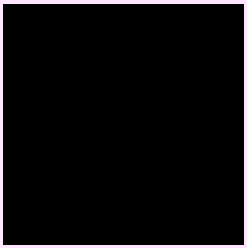
This preview shows how the Yxy color 84.5186, 0.3139, 0.3039 looks on a black background.

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 84.5186, 0.3139, 0.3039 Background



This preview shows how black text looks on a background with the Yxy color 84.5186, 0.3139, 0.3039.

This preview shows how white text looks on a background with the Yxy color 84.5186, 0.3139, 0.3039.

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
84.5186, 0.3139, 0.3039

Protanopia
84.8731, 0.3006, 0.3099

Deuteranopia
84.5091, 0.3118, 0.3047

Tritanopia
84.4418, 0.3176, 0.3115

Trichromacy

Original Color
84.5186, 0.3139, 0.3039

Protanomaly
84.3751, 0.3051, 0.3072

Deuteranomaly
84.6963, 0.3125, 0.3047

Tritanomaly
84.6295, 0.3157, 0.3086

Monochromacy

Original Color
84.5186, 0.3139, 0.3039

Achromatopsia
87.1367, 0.3127, 0.3290

Achromatomaly
85.9960, 0.3131, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5186, 0.3139, 0.3039 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(255, 229, 255) looks like.

```
.text, #text, p{
    color:rgb(255, 229, 255)
}
```

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(255, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.5186, 0.3139, 0.3039 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(255, 229, 255) }
```

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

```
.border{ border-color:rgb(255, 229, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 255); box-shadow:4px 4px 4px 4px rgb(255, 229, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 84.5186, 0.3139, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 229, 255) }
```

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

```
.background{ background-color:rgb(255,
229, 255) }
```

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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