

Converting Colors

$Y_{xy}(113.6057, 0.2589, 0.1816)$

Have a look what the booklet for
Yxy(113.6057, 0.2589, 0.1816)
contains.

Yxy(79.1430, 0.3144, 0.2940)	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(79.1430, 0.3144, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	FFDBFF
RGB	255, 219, 255
RGB Percent	100%, 86%, 100%
CMY	0.0000, 0.1412, 0.0000
CMYK	0.00, 0.14, 0.00, 0.00
HSL	300°, 100%, 93%
HSV	300°, 14%, 100%
XYZ	84.6346, 79.1430, 105.4163
YIQ	233.8680, 9.9000, 18.8280

Conversions

Conversions Part 2

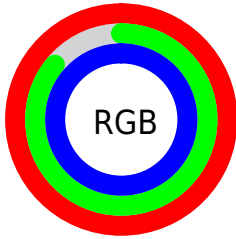
Format	Color
R _Y B	255, 219, 255
Decimal	16767999
CIE Lab	91.30, 18.54, -12.86
CIE LCh	91, 22.558, 325.255
Yxy	79.1430, 0.3144, 0.2940
Android (android.graphics.Color)	4294958079 (0xFFFFDBFF)
YUV	233.8680, 10.4181, 18.5328
Hunter-Lab	88.9624, 14.1323, -7.9823

Details

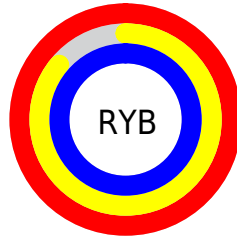
The Yxy color **79.1430, 0.3144, 0.2940** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.6924, 0.3109, 0.3667**, and the grayscale version is **82.0814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6339, 0.3147, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **66.8353, 0.3156, 0.2688**, and if you desaturate by 10%, it is **93.4753, 0.3132, 0.3189**.

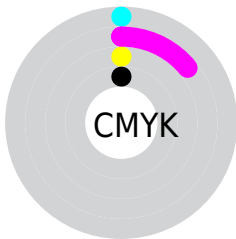
Distribution



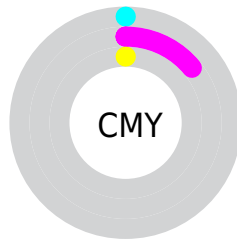
- Red (100%)
- Green (86%)
- Blue (100%)



- Red (100%)
- Yellow (86%)
- Blue (100%)



- Cyan (0%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1430, 0.3144, 0.2940 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 79.1430, 0.3144, 0.2940 by changing the saturation by 10% instead.


 79.1430, 0.3144,
0.2940

 79.1430, 0.3144,
0.2940


492.0400, 0.3138,
0.3095

 59.0134, 0.3145,
0.2906


132.1602, 0.3142,
0.2993

 42.6239, 0.3146,
0.2865


165.8165, 0.3142,
0.3013

 29.5901, 0.3147,
0.2814


204.7505, 0.3141,
0.3031

 19.5277, 0.3147,
0.2750

249.3467, 0.3140,
0.3047

 12.0522, 0.3147,
0.2665

299.9893, 0.3140,
0.3061

 6.7792, 0.3145,
0.2549

357.0628, 0.3139,

 3.3244, 0.3140,

0.3074

0.2381

420.9515, 0.3139,
0.3085

■ 1.3034, 0.3122,
0.2118

■ 0.1438, 0.3289,
0.0803

■ 79.1430, 0.3144,
0.2940

■ 79.1430, 0.3144,
0.2940

■ 66.8353, 0.3156,
0.2688

■ 93.4753, 0.3132,
0.3189

■ 56.4798, 0.3167,
0.2441

100.0000, 0.3127,
0.3290

■ 47.9702, 0.3178,
0.2208

■ 41.1981, 0.3188,
0.2001

■ 36.0439, 0.3196,
0.1827

■ 32.3728, 0.3202,
0.1693

■ 30.0281, 0.3207,
0.1603

■ 28.8184, 0.3209,
0.1555

■ 28.4769, 0.3210,
0.1542

Harmonies

Analogous

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



79.1430, 0.2888, 0.2856



79.1430, 0.3144, 0.2940



79.1430, 0.3406, 0.3107

Triad

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



79.1430, 0.3144, 0.2940



79.1430, 0.3563, 0.3703



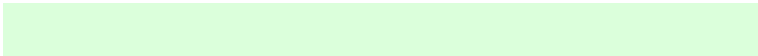
79.1430, 0.2680, 0.3228

Complementary

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



79.1430, 0.3144, 0.2940



91.6924, 0.3109, 0.3667

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.



79.1430, 0.2847, 0.3479



79.1430, 0.3144, 0.2940



79.1430, 0.3356, 0.3760

Square

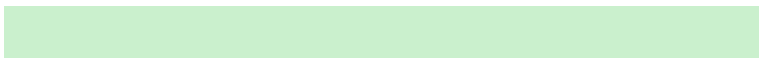
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



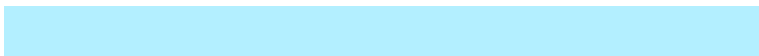
79.1430, 0.3144, 0.2940



79.1430, 0.3653, 0.3540



79.1430, 0.3093, 0.3679



79.1430, 0.2628, 0.3009

Rectangle

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



79.1430, 0.3144, 0.2940



79.1430, 0.3544, 0.3248



79.1430, 0.3093, 0.3679



79.1430, 0.2724, 0.3312

Sweetspot

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



79.1363, 0.3144, 0.2940



93.6637, 0.3132, 0.3192



72.9350, 0.2899, 0.2913



19.8010, 0.3133, 0.3174



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.



79.1363, 0.3144, 0.2940



75.3916, 0.3147, 0.2867



78.0308, 0.3264, 0.3112



18.3004, 0.3138, 0.3056



14.8798, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Inverse Universe

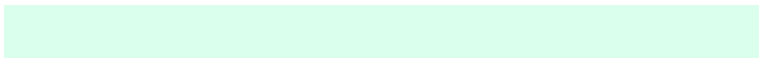
The Inverse Universe completely reimagines the original color for something new.



79.1363, 0.3144, 0.2940



75.3916, 0.3147, 0.2867



92.6923, 0.3009, 0.3475



18.3004, 0.3138, 0.3056



14.8798, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 79.1430, 0.3144, 0.2940 looks on a white background.

Color Contrast Check

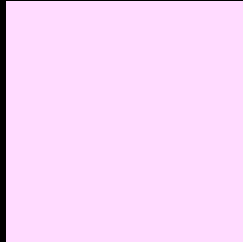
Large Text (above 18pt) WCAG AA × Fail

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 79.1430, 0.3144, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

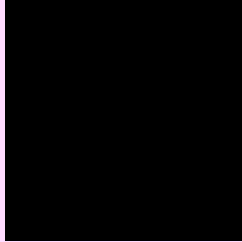
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

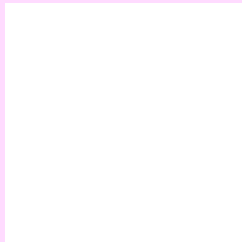
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.1430, 0.3144, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 79.1430, 0.3144, 0.2940.



This preview shows how white text looks on a background with the Yxy color 79.1430, 0.3144, 0.2940.

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

79.1430, 0.3144, 0.2940

Protanopia

79.4274, 0.2947, 0.3023

Deuteranopia

79.3443, 0.3059, 0.2991



Tritanopia

79.3572, 0.3234, 0.3122

Trichromacy



Original Color

79.1430, 0.3144, 0.2940

Protanomaly

79.0750, 0.3019, 0.2988

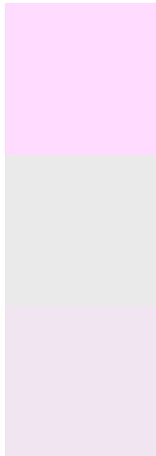
Deuteranomaly

79.1725, 0.3094, 0.2974

Tritanomaly

79.3763, 0.3202, 0.3054

Monochromacy



Original Color

79.1430, 0.3144, 0.2940

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.3267, 0.3133, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1430, 0.3144, 0.2940 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.1430, 0.3144, 0.2940 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, 219, 255) }
```

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

```
.border{ border-color:rgb(255, 219, 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, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1430, 0.3144, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 255) }
```

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

```
.background{ background-color: rgb(255,  
219, 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](#).

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