

Converting Colors

$Y_{xy}(90.0078, 0.3511, 0.3033)$

Have a look what the booklet for
Yxy(90.0078, 0.3511, 0.3033)
contains.

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Color

Yxy(79.8750, 0.3175, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	FFDDFA
RGB	255, 221, 250
RGB Percent	100%, 87%, 98%
CMY	0.0002, 0.1332, 0.0196
CMYK	0.00, 0.13, 0.02, 0.00
HSL	309°, 100%, 93%
HSV	309°, 13%, 100%
XYZ	84.3376, 79.8750, 101.4176
YIQ	234.4720, 10.9550, 16.2270

Conversions

Conversions Part 2

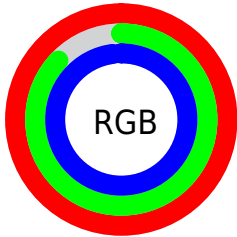
Format	Color
R _Y B	255, 221, 250
Decimal	16768506
CIE Lab	91.63, 16.55, -9.75
CIE LCh	92, 19.211, 329.488
Yxy	79.8750, 0.3175, 0.3007
Android (android.graphics.Color)	4294958586 (0xFFFFDDFA)
YUV	234.4720, 7.6553, 18.0031
Hunter-Lab	89.3728, 12.0410, -4.7196

Details

The Yxy color **79.8750, 0.3175, 0.3007** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.3521, 0.3083, 0.3590**, and the grayscale version is **82.5890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1732, 0.3180, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **67.1898, 0.3217, 0.2788**, and if you desaturate by 10%, it is **94.6159, 0.3138, 0.3221**.

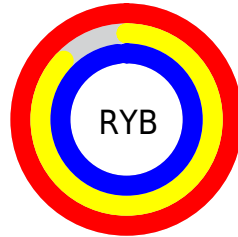
Distribution



Red (100%)

Green (87%)

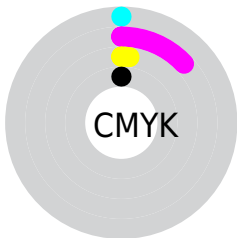
Blue (98%)



Red (100%)

Yellow (87%)

Blue (98%)

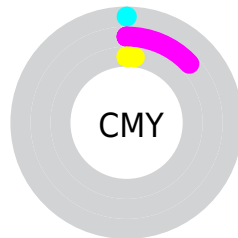


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8750, 0.3175, 0.3007 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 79.8750, 0.3175, 0.3007 by changing the saturation by 10% instead.

 79.8750, 0.3175,
0.3007

 79.8750, 0.3175,
0.3007


494.5115, 0.3155,
0.3133

 59.6155, 0.3179,
0.2979


133.1900, 0.3168,
0.3050

 43.1088, 0.3184,
0.2946


167.0142, 0.3166,
0.3067

 29.9705, 0.3191,
0.2904


206.1289, 0.3163,
0.3081

 19.8162, 0.3198,
0.2851

250.9183, 0.3161,
0.3094

 12.2615, 0.3208,
0.2781

301.7668, 0.3159,
0.3105

 6.9220, 0.3221,
0.2685

359.0590, 0.3158,

 3.4134, 0.3237,

0.3116

0.2545

423.1790, 0.3156,
0.3125

■ 1.3512, 0.3260,
0.2321

■ 0.1803, 0.3522,
0.1104

■ 79.8750, 0.3175,
0.3007

■ 79.8750, 0.3175,
0.3007

■ 67.1898, 0.3217,
0.2788

■ 94.6159, 0.3138,
0.3221

■ 56.4581, 0.3264,
0.2569

99.9902, 0.3127,
0.3290

■ 47.5844, 0.3315,
0.2360

■ 40.4611, 0.3369,
0.2169

■ 34.9697, 0.3426,
0.2008

■ 30.9767, 0.3483,
0.1884

■ 28.3279, 0.3538,
0.1805

■ 26.8355, 0.3591,
0.1772

■ 26.3015, 0.3624,
0.1770

Harmonies

Analogous

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



79.8750, 0.2952, 0.2924



79.8750, 0.3175, 0.3007



79.8750, 0.3391, 0.3159

Triad

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



79.8750, 0.3175, 0.3007



79.8750, 0.3478, 0.3655



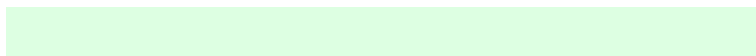
79.8750, 0.2733, 0.3210

Complementary

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



79.8750, 0.3175, 0.3007



92.3521, 0.3083, 0.3590

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.



79.8750, 0.2864, 0.3421



79.8750, 0.3175, 0.3007



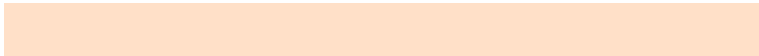
79.8750, 0.3293, 0.3685

Square

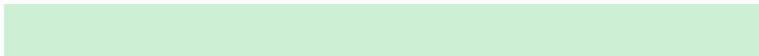
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8750, 0.3175, 0.3007



79.8750, 0.3569, 0.3528



79.8750, 0.3068, 0.3599



79.8750, 0.2703, 0.3031

Rectangle

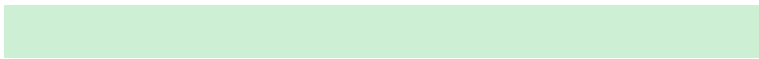
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8750, 0.3175, 0.3007



79.8750, 0.3500, 0.3283



79.8750, 0.3068, 0.3599



79.8750, 0.2766, 0.3280

Sweetspot

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



79.8785, 0.3175, 0.3007



93.5685, 0.3141, 0.3207



75.0383, 0.2943, 0.2940



19.7768, 0.3143, 0.3191



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.



79.8785, 0.3175, 0.3007



76.2974, 0.3186, 0.2948



78.8858, 0.3286, 0.3167



18.2522, 0.3160, 0.3089



13.7668, 0.3616, 0.1766



1.3523, 0.3563, 0.1736

Inverse Universe

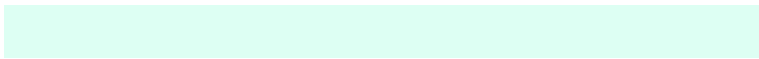
The Inverse Universe completely reimagines the original color for something new.



79.8785, 0.3175, 0.3007



76.2974, 0.3186, 0.2948



93.3044, 0.2991, 0.3417



18.2522, 0.3160, 0.3089



13.7668, 0.3616, 0.1766



1.3523, 0.3563, 0.1736

Previews

White Background



This preview shows how the Yxy color 79.8750, 0.3175, 0.3007 looks on a white background.

Color Contrast Check

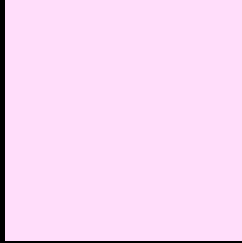
Large Text (above 18pt) WCAG AA × Fail

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 79.8750, 0.3175, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

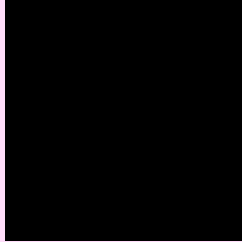
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8750, 0.3175, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 79.8750, 0.3175, 0.3007.

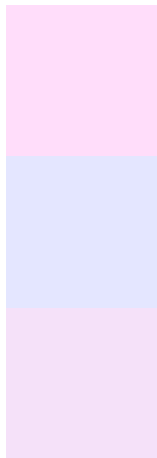


This preview shows how white text looks on a background with the Yxy color 79.8750, 0.3175, 0.3007.

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

79.8750, 0.3175, 0.3007

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.1025, 0.3111, 0.3051



Tritanopia

80.1375, 0.3233, 0.3122

Trichromacy



Original Color

79.8750, 0.3175, 0.3007

Protanomaly

80.2072, 0.3038, 0.3029

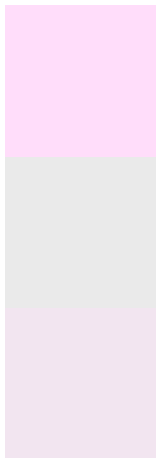
Deuteranomaly

80.2906, 0.3139, 0.3043

Tritanomaly

79.8450, 0.3208, 0.3074

Monochromacy



Original Color

79.8750, 0.3175, 0.3007

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.2071, 0.3146, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8750, 0.3175, 0.3007 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, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 250)  
}
```

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, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 250) }
```

Border

The CSS property to change the border of an element to Yxy 79.8750, 0.3175, 0.3007 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, 221, 250) }
```

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

```
.border{ border-color:rgb(255, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8750, 0.3175, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 250) }
```

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

```
.background{ background-color: rgb(255,  
221, 250) }
```

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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