

Converting Colors

$Y_{xy}(77.7803, 0.3186, 0.2980)$

Have a look what the booklet for
Yxy(77.7803, 0.3186, 0.2980)
contains.

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Color

Yxy(77.7253, 0.3184, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	FFD9F9
RGB	255, 217, 249
RGB Percent	100%, 85%, 98%
CMY	0.0003, 0.1489, 0.0236
CMYK	0.00, 0.15, 0.02, 0.00
HSL	309°, 100%, 93%
HSV	309°, 15%, 100%
XYZ	83.1298, 77.7253, 100.2309
YIQ	232.0100, 12.3760, 18.0080

Conversions

Conversions Part 2

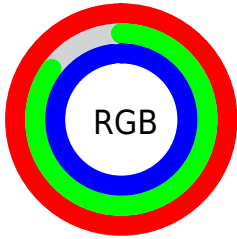
Format	Color
R _Y B	255, 217, 249
Decimal	16767481
CIE Lab	90.65, 18.45, -10.67
CIE LCh	91, 21.309, 329.956
Yxy	77.7253, 0.3184, 0.2977
Android (android.graphics.Color)	4294957561 (0xFFFFD9F9)
YUV	232.0100, 8.3761, 20.1622
Hunter-Lab	88.1620, 14.0280, -5.6932

Details

The Yxy color **77.7253, 0.3184, 0.2977** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.5577, 0.3075, 0.3624**, and the grayscale version is **80.6302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6967, 0.3191, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **65.3367, 0.3229, 0.2760**, and if you desaturate by 10%, it is **92.1560, 0.3144, 0.3190**.

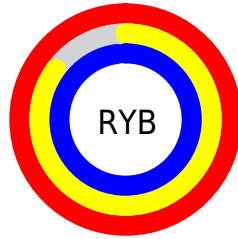
Distribution



Red (100%)

Green (85%)

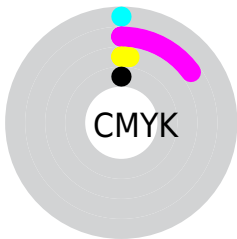
Blue (98%)



Red (100%)

Yellow (85%)

Blue (98%)

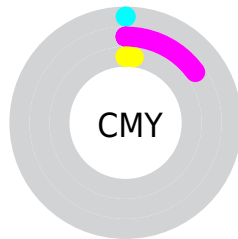


Cyan (0%)

Magenta (15%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7253, 0.3184, 0.2977 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 77.7253, 0.3184, 0.2977 by changing the saturation by 10% instead.

77.7253, 0.3184,
0.2977

77.7253, 0.3184,
0.2977

487.2334, 0.3160,
0.3116

57.8483, 0.3189,
0.2946

130.1628, 0.3176,
0.3024

41.6867, 0.3195,
0.2909

163.4922, 0.3173,
0.3043

28.8561, 0.3203,
0.2863

202.0744, 0.3170,
0.3059

18.9720, 0.3212,
0.2804

246.2940, 0.3167,
0.3074

11.6500, 0.3223,
0.2726

296.5353, 0.3165,
0.3086

6.5058, 0.3239,
0.2619

353.1827, 0.3163,

3.1550, 0.3259,

0.3097

0.2462

416.6206, 0.3161,
0.3107

■ 1.2132, 0.3285,
0.2211

■ 0.0724, 0.3665,
0.0511

■ 77.7253, 0.3184,
0.2977

■ 77.7253, 0.3184,
0.2977

■ 65.3367, 0.3229,
0.2760

■ 92.1560, 0.3144,
0.3190

■ 54.8870, 0.3279,
0.2545

99.9864, 0.3127,
0.3290

■ 46.2796, 0.3334,
0.2340

■ 39.4053, 0.3393,
0.2155

■ 34.1435, 0.3454,
0.2000

■ 30.3582, 0.3516,
0.1884

■ 27.8909, 0.3575,
0.1814

■ 26.5466, 0.3632,
0.1789

■ 26.1502, 0.3660,
0.1790

Harmonies

Analogous

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



77.7253, 0.2935, 0.2883



77.7253, 0.3184, 0.2977



77.7253, 0.3426, 0.3147

Triad

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



77.7253, 0.3184, 0.2977



77.7253, 0.3517, 0.3700



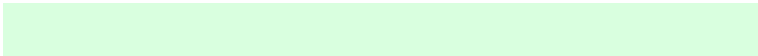
77.7253, 0.2686, 0.3195

Complementary

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



77.7253, 0.3184, 0.2977



91.5577, 0.3075, 0.3624

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.



77.7253, 0.2830, 0.3433



77.7253, 0.3184, 0.2977



77.7253, 0.3308, 0.3733

Square

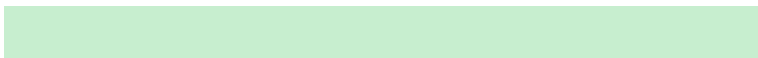
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



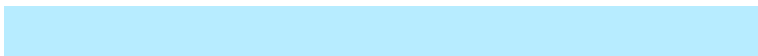
77.7253, 0.3184, 0.2977



77.7253, 0.3622, 0.3557



77.7253, 0.3056, 0.3635



77.7253, 0.2655, 0.2997

Rectangle

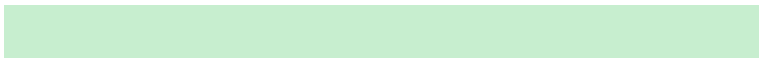
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7253, 0.3184, 0.2977



77.7253, 0.3548, 0.3284



77.7253, 0.3056, 0.3635



77.7253, 0.2722, 0.3274

Sweetspot

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



77.7287, 0.3184, 0.2977



93.5613, 0.3141, 0.3208



72.5024, 0.2924, 0.2896



19.7750, 0.3144, 0.3192



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.



77.7287, 0.3184, 0.2977



73.6751, 0.3198, 0.2909



76.6199, 0.3312, 0.3158



18.2485, 0.3162, 0.3092



13.6912, 0.3651, 0.1785



1.3457, 0.3592, 0.1753

Inverse Universe

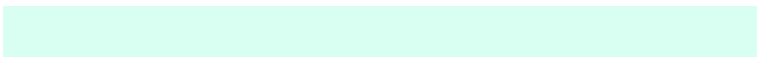
The Inverse Universe completely reimagines the original color for something new.



77.7287, 0.3184, 0.2977



73.6751, 0.3198, 0.2909



92.6219, 0.2972, 0.3426



18.2485, 0.3162, 0.3092



13.6912, 0.3651, 0.1785



1.3457, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 77.7253, 0.3184, 0.2977 looks on a white background.

Color Contrast Check

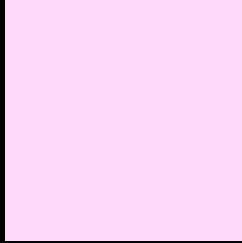
Large Text (above 18pt) WCAG AA × Fail

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 77.7253, 0.3184, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

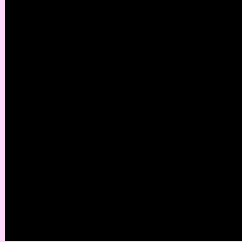
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7253, 0.3184, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 77.7253, 0.3184, 0.2977.



This preview shows how white text looks on a background with the Yxy color 77.7253, 0.3184, 0.2977.

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

77.7253, 0.3184, 0.2977

Protanopia

78.1657, 0.2941, 0.3002

Deuteranopia

77.8971, 0.3098, 0.3028



Tritanopia

77.6018, 0.3257, 0.3121

Trichromacy



Original Color

77.7253, 0.3184, 0.2977

Protanomaly

77.7001, 0.3025, 0.2986

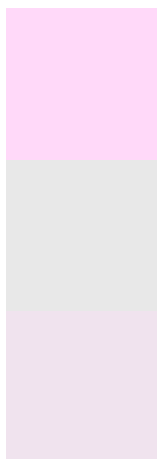
Deuteranomaly

77.7379, 0.3133, 0.3011

Tritanomaly

77.5645, 0.3231, 0.3063

Monochromacy



Original Color

77.7253, 0.3184, 0.2977

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

79.6365, 0.3146, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7253, 0.3184, 0.2977 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, 217, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 249)  
}
```

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, 217, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 249) }
```

Border

The CSS property to change the border of an element to Yxy 77.7253, 0.3184, 0.2977 is called "border". The border property can be set on classes, ids or directly on the HTML element.

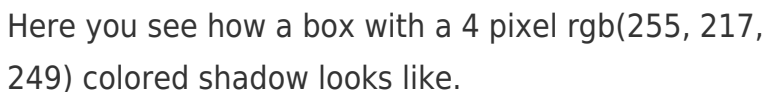
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 217, 249) }
```

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

```
.border{ border-color:rgb(255, 217, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 217, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 217, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 217, 249); box-shadow:4px 4px 4px 4px rgb(255, 217, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7253, 0.3184, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 249) }
```

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

```
.background{ background-color: rgb(255,  
217, 249) }
```

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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