

Converting Colors

$Y_{xy}(73.7542, 0.3189, 0.2897)$

Have a look what the booklet for
Yxy(73.7542, 0.3189, 0.2897)
contains.

Yxy(73.7005, 0.3189, 0.2897)	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(73.7005, 0.3189, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	FFD1F9
RGB	255, 209, 249
RGB Percent	100%, 82%, 98%
CMY	0.0001, 0.1803, 0.0235
CMYK	0.00, 0.18, 0.02, 0.00
HSL	308°, 100%, 91%
HSV	308°, 18%, 100%
XYZ	81.1291, 73.7005, 99.5733
YIQ	227.3140, 14.5760, 22.1920

Conversions

Conversions Part 2

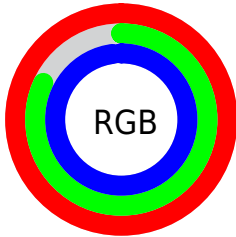
Format	Color
R _Y B	255, 209, 249
Decimal	16765433
CIE Lab	88.78, 22.65, -13.47
CIE LCh	89, 26.358, 329.260
Yxy	73.7005, 0.3189, 0.2897
Android (android.graphics.Color)	4294955513 (0xFFFFD1F9)
YUV	227.3140, 10.6912, 24.2806
Hunter-Lab	85.8490, 18.4504, -8.6741

Details

The Yxy color **73.7005, 0.3189, 0.2897** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.9602, 0.3071, 0.3717**, and the grayscale version is **76.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.9672, 0.3198, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **61.9717, 0.3230, 0.2674**, and if you desaturate by 10%, it is **87.4413, 0.3153, 0.3118**.

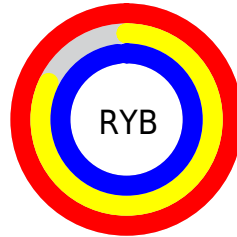
Distribution



Red (100%)

Green (82%)

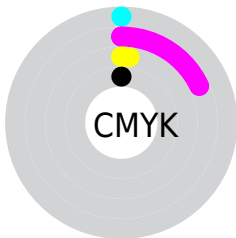
Blue (98%)



Red (100%)

Yellow (82%)

Blue (98%)

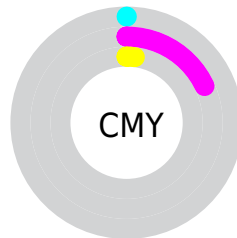


Cyan (0%)

Magenta (18%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7005, 0.3189, 0.2897 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 73.7005, 0.3189, 0.2897 by changing the saturation by 10% instead.


 73.7005, 0.3189,
0.2897

 73.7005, 0.3189,
0.2897


473.4391, 0.3163,
0.3072

 54.5489, 0.3194,
0.2858


124.4712, 0.3181,
0.2957

 39.0407, 0.3201,
0.2811


156.8590, 0.3177,
0.2980

 26.7914, 0.3208,
0.2753


194.4278, 0.3174,
0.3001

 17.4166, 0.3217,
0.2679

237.5619, 0.3171,
0.3019

 10.5320, 0.3228,
0.2580

286.6457, 0.3169,
0.3034

 5.7531, 0.3242,
0.2445

342.0635, 0.3167,

 2.6955, 0.3258,

0.3048

0.2247

404.1999, 0.3165,
0.3061

0.9749, 0.3274,
0.1934

0.0000, 0.3482,
0.0000

73.7005, 0.3189,
0.2897

73.7005, 0.3189,
0.2897

61.9717, 0.3230,
0.2674

87.4413, 0.3153,
0.3118

52.1503, 0.3274,
0.2455

99.9930, 0.3127,
0.3290

44.1367, 0.3322,
0.2251

37.8186, 0.3372,
0.2071

■ 33.0709, 0.3423,
0.1924

■ 29.7513, 0.3473,
0.1819

■ 27.6921, 0.3521,
0.1760

■ 26.6656, 0.3565,
0.1743

■ 26.5208, 0.3574,
0.1743

Harmonies

Analogous

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



73.7005, 0.2877, 0.2782



73.7005, 0.3189, 0.2897



73.7005, 0.3497, 0.3104

Triad

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



73.7005, 0.3189, 0.2897



73.7005, 0.3621, 0.3801



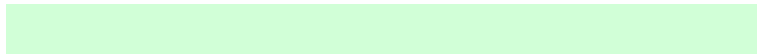
73.7005, 0.2578, 0.3173

Complementary

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



73.7005, 0.3189, 0.2897



89.9602, 0.3071, 0.3717

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.



73.7005, 0.2759, 0.3477



73.7005, 0.3189, 0.2897



73.7005, 0.3358, 0.3853

Square

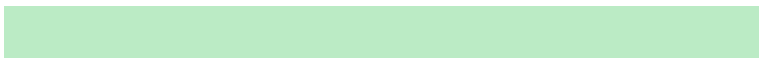
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



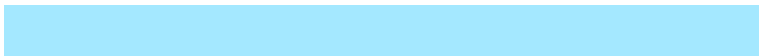
73.7005, 0.3189, 0.2897



73.7005, 0.3752, 0.3615



73.7005, 0.3042, 0.3735



73.7005, 0.2538, 0.2924

Rectangle

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



73.7005, 0.3189, 0.2897



73.7005, 0.3654, 0.3273



73.7005, 0.3042, 0.3735



73.7005, 0.2624, 0.3273

Sweetspot

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



73.7037, 0.3189, 0.2897



92.0271, 0.3143, 0.3184



67.1821, 0.2865, 0.2802



19.4669, 0.3145, 0.3168



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.



73.7037, 0.3189, 0.2897



68.8209, 0.3205, 0.2808



72.3897, 0.3348, 0.3113



18.2574, 0.3158, 0.3086



13.8781, 0.3567, 0.1739



1.3621, 0.3520, 0.1713

Inverse Universe

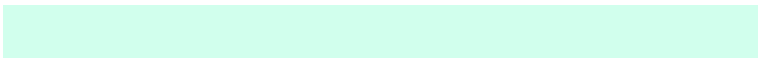
The Inverse Universe completely reimagines the original color for something new.



73.7037, 0.3189, 0.2897



68.8209, 0.3205, 0.2808



91.1899, 0.2948, 0.3474



18.2574, 0.3158, 0.3086



13.8781, 0.3567, 0.1739



1.3621, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 73.7005, 0.3189, 0.2897 looks on a white background.

Color Contrast Check

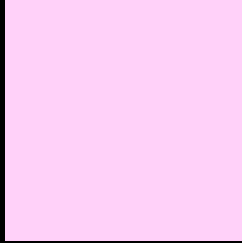
Large Text (above 18pt) WCAG AA × Fail

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 73.7005, 0.3189, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

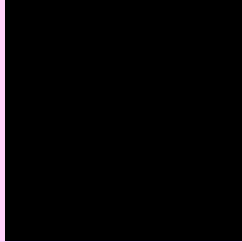
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7005, 0.3189, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 73.7005, 0.3189, 0.2897.



This preview shows how white text looks on a background with the Yxy color 73.7005, 0.3189, 0.2897.

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

73.7005, 0.3189, 0.2897

Protanopia

74.2143, 0.2887, 0.2944

Deuteranopia

73.8335, 0.3050, 0.2982



Tritanopia

73.4396, 0.3305, 0.3119

Trichromacy



Original Color

73.7005, 0.3189, 0.2897

Protanomaly

73.7065, 0.2991, 0.2920

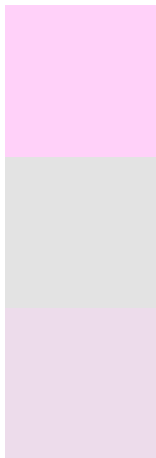
Deuteranomaly

73.7477, 0.3101, 0.2946

Tritanomaly

73.5273, 0.3264, 0.3040

Monochromacy



Original Color

73.7005, 0.3189, 0.2897

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

75.1891, 0.3149, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7005, 0.3189, 0.2897 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, 209, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 249) }
```

Border

The CSS property to change the border of an element to Yxy 73.7005, 0.3189, 0.2897 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, 209, 249) }
```

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

```
.border{ border-color:rgb(255, 209, 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, 209, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7005, 0.3189, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 249) }
```

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

```
.background{ background-color: rgb(255,  
209, 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](#).

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