

Converting Colors

$Y_{xy}(70.2482, 0.3175, 0.2797)$

Have a look what the booklet for
Yxy(70.2482, 0.3175, 0.2797)
contains.

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Color

Yxy(70.0616, 0.3173, 0.2789)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9FC
RGB	255, 201, 252
RGB Percent	100%, 79%, 99%
CMY	0.0000, 0.2118, 0.0117
CMYK	0.00, 0.21, 0.01, 0.00
HSL	303°, 100%, 89%
HSV	303°, 21%, 100%
XYZ	79.7079, 70.0616, 101.4373
YIQ	222.9600, 15.8130, 27.3090

Conversions

Conversions Part 2

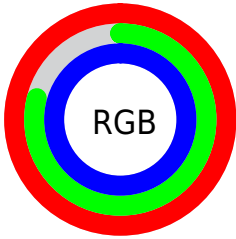
Format	Color
R _Y B	255, 201, 252
Decimal	16763388
CIE Lab	87.03, 27.43, -17.70
CIE LCh	87, 32.643, 327.164
Yxy	70.0616, 0.3173, 0.2789
Android (android.graphics.Color)	4294953468 (0xFFFFC9FC)
YUV	222.9600, 14.3167, 28.0991
Hunter-Lab	83.7028, 23.5009, -13.2601

Details

The Yxy color **70.0616, 0.3173, 0.2789** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2943, 0.3083, 0.3848**, and the grayscale version is **73.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8133, 0.3185, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **59.0527, 0.3197, 0.2551**, and if you desaturate by 10%, it is **83.0396, 0.3150, 0.3029**.

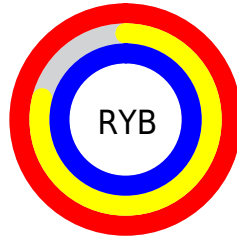
Distribution



Red (100%)

Green (79%)

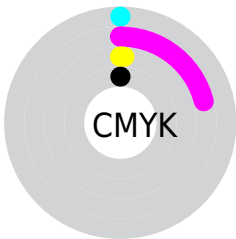
Blue (99%)



Red (100%)

Yellow (79%)

Blue (99%)

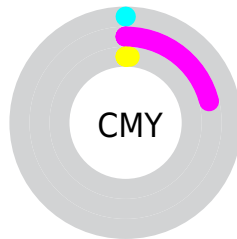


Cyan (0%)

Magenta (21%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0616, 0.3173, 0.2789 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 70.0616, 0.3173, 0.2789 by changing the saturation by 10% instead.

 70.0616, 0.3173,
0.2789

 70.0616, 0.3173,
0.2789

460.7663, 0.3156,
0.3012

 51.5768, 0.3176,
0.2740


119.2966, 0.3168,
0.2865

 36.6678, 0.3179,
0.2680


150.8155, 0.3166,
0.2895

 24.9504, 0.3183,
0.2606


187.4480, 0.3164,
0.2921

 16.0401, 0.3186,
0.2512


229.5783, 0.3162,
0.2944

 9.5525, 0.3189,
0.2388

277.5909, 0.3160,
0.2964

 5.1033, 0.3190,
0.2219

331.8701, 0.3159,

 2.3080, 0.3184,

0.2982

0.1974

392.8005, 0.3157,
0.2998

0.7779, 0.3156,
0.1588

0.0000, 0.2887,
0.0000

70.0616, 0.3173,
0.2789

70.0616, 0.3173,
0.2789

59.0527, 0.3197,
0.2551

83.0396, 0.3150,
0.3029

49.9229, 0.3222,
0.2322

98.0847, 0.3129,
0.3263

42.5643, 0.3248,
0.2113

100.0000, 0.3127,
0.3290

36.8608, 0.3274,
0.1934

■ 32.6826, 0.3298,
0.1792

■ 29.8804, 0.3320,
0.1694

■ 28.2751, 0.3340,
0.1640

■ 27.6081, 0.3355,
0.1622

Harmonies

Analogous

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



70.0616, 0.2788, 0.2656



70.0616, 0.3173, 0.2789



70.0616, 0.3568, 0.3035

Triad

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



70.0616, 0.3173, 0.2789



70.0616, 0.3763, 0.3916



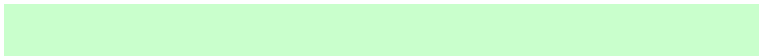
70.0616, 0.2454, 0.3162

Complementary

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



70.0616, 0.3173, 0.2789



88.2943, 0.3083, 0.3848

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.



70.0616, 0.2686, 0.3552



70.0616, 0.3173, 0.2789



70.0616, 0.3438, 0.4008

Square

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



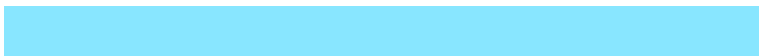
70.0616, 0.3173, 0.2789



70.0616, 0.3919, 0.3667



70.0616, 0.3043, 0.3876



70.0616, 0.2392, 0.2844

Rectangle

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



70.0616, 0.3173, 0.2789



70.0616, 0.3775, 0.3240



70.0616, 0.3043, 0.3876



70.0616, 0.2513, 0.3290

Sweetspot

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



70.0591, 0.3173, 0.2789



90.5695, 0.3139, 0.3151



61.7831, 0.2787, 0.2701



19.1758, 0.3141, 0.3136



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.



70.0591, 0.3173, 0.2789



65.6266, 0.3182, 0.2697



68.4816, 0.3368, 0.3045



18.2821, 0.3147, 0.3069



14.4333, 0.3352, 0.1620



1.4104, 0.3335, 0.1611

Inverse Universe

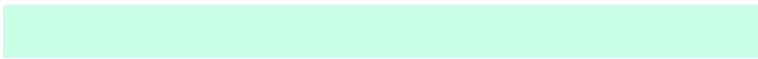
The Inverse Universe completely reimagines the original color for something new.



70.0591, 0.3173, 0.2789



65.6266, 0.3182, 0.2697



89.6887, 0.2937, 0.3549



18.2821, 0.3147, 0.3069



14.4333, 0.3352, 0.1620



1.4104, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 70.0616, 0.3173, 0.2789 looks on a white background.

Color Contrast Check

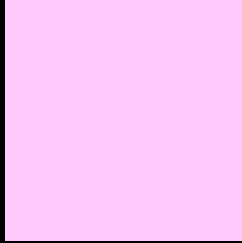
Large Text (above 18pt) WCAG AA × Fail

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 70.0616, 0.3173, 0.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

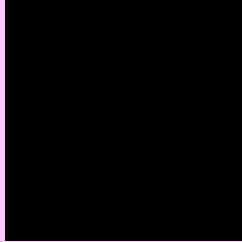
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0616, 0.3173, 0.2789

Background



This preview shows how black text looks on a background with the Yxy color 70.0616, 0.3173, 0.2789.



This preview shows how white text looks on a background with the Yxy color 70.0616, 0.3173, 0.2789.

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

70.0616, 0.3173, 0.2789

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.3379, 0.2962, 0.2902



Tritanopia

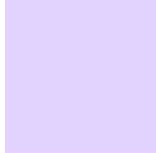
69.9258, 0.3356, 0.3127

Trichromacy



Original Color

70.0616, 0.3173, 0.2789



Protanomaly

69.9130, 0.2950, 0.2843



Deuteranomaly

70.2281, 0.3032, 0.2859



Tritanomaly

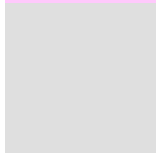
69.7644, 0.3285, 0.2998

Monochromacy



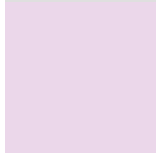
Original Color

70.0616, 0.3173, 0.2789



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.2036, 0.3144, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0616, 0.3173, 0.2789 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, 201, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 252)  
}
```

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, 201, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 252) }
```

Border

The CSS property to change the border of an element to Yxy 70.0616, 0.3173, 0.2789 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, 201, 252) }
```

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

```
.border{ border-color:rgb(255, 201, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0616, 0.3173, 0.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 252) }
```

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

```
.background{ background-color: rgb(255,  
201, 252) }
```

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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