

Converting Colors

$Yxy(67.6022, 0.3342, 0.2984)$

Have a look what the booklet for
Yxy(67.6022, 0.3342, 0.2984)
contains.

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Color

Yxy(67.7640, 0.3343, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7E5
RGB	255, 199, 229
RGB Percent	100%, 78%, 90%
CMY	0.0000, 0.2196, 0.1020
CMYK	0.00, 0.22, 0.10, 0.00
HSL	328°, 100%, 89%
HSV	328°, 22%, 100%
XYZ	75.8149, 67.7640, 83.2082
YIQ	219.1640, 23.7460, 21.2020

Conversions

Conversions Part 2

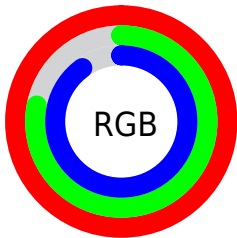
Format	Color
R _Y B	255, 199, 229
Decimal	16762853
CIE Lab	85.89, 24.53, -7.18
CIE LCh	86, 25.561, 343.682
Yxy	67.7640, 0.3343, 0.2988
Android (android.graphics.Color)	4294952933 (0xFFFFC7E5)
YUV	219.1640, 4.8491, 31.4282
Hunter-Lab	82.3189, 20.3388, -2.3073

Details

The Yxy color **67.7640, 0.3343, 0.2988** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0972, 0.2956, 0.3613**, and the grayscale version is **70.9070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3126, 0.3391, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **56.3543, 0.3473, 0.2844**, and if you desaturate by 10%, it is **81.1775, 0.3234, 0.3129**.

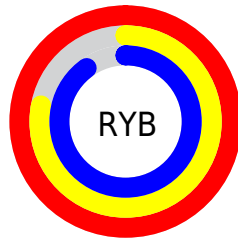
Distribution



Red (100%)

Green (78%)

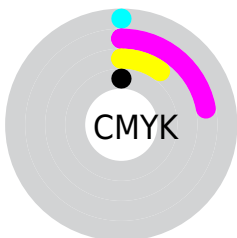
Blue (90%)



Red (100%)

Yellow (78%)

Blue (90%)

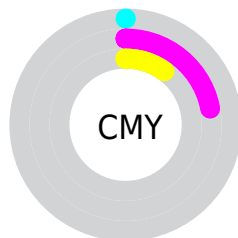


Cyan (0%)

Magenta (22%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7640, 0.3343, 0.2988 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 67.7640, 0.3343, 0.2988 by changing the saturation by 10% instead.

 67.7640, 0.3343,
0.2988

 67.7640, 0.3343,
0.2988


452.6594, 0.3244,
0.3126

 49.7058, 0.3366,
0.2957


116.0145, 0.3309,
0.3036

 35.1797, 0.3394,
0.2919


146.9755, 0.3295,
0.3054

 23.8013, 0.3429,
0.2870


183.0062, 0.3284,
0.3070

 15.1863, 0.3475,
0.2808

224.4911, 0.3274,
0.3084

 8.9502, 0.3538,
0.2724

271.8144, 0.3265,
0.3097

 4.7087, 0.3627,
0.2604


325.3606, 0.3257,


 2.0774, 0.3767,


0.3108


0.2422


385.5142, 0.3250,
0.3117


 0.6519, 0.4039,
0.2061


 0.0000, 0.9624,
0.0000

 67.7640, 0.3343,
0.2988


 67.7640, 0.3343,
0.2988

 56.3543, 0.3473,
0.2844

 81.1775, 0.3234,
0.3129

 46.8605, 0.3626,
0.2702

 96.6978, 0.3143,
0.3264

 39.1719, 0.3803,
0.2571

100.0000, 0.3127,
0.3290

 33.1704, 0.4003,
0.2462

■ 28.7240, 0.4220,
0.2388

■ 25.6805, 0.4447,
0.2360

■ 23.8568, 0.4673,
0.2387

■ 23.0547, 0.4847,
0.2444

Harmonies

Analogous

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



67.7640, 0.3022, 0.2825



67.7640, 0.3343, 0.2988



67.7640, 0.3615, 0.3225

Triad

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



67.7640, 0.3343, 0.2988



67.7640, 0.3505, 0.3845



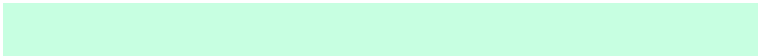
67.7640, 0.2542, 0.3043

Complementary

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



67.7640, 0.3343, 0.2988



89.0972, 0.2956, 0.3613

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.



67.7640, 0.2658, 0.3330



67.7640, 0.3343, 0.2988



67.7640, 0.3207, 0.3816

Square

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



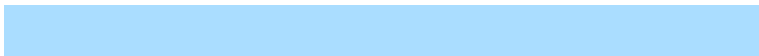
67.7640, 0.3343, 0.2988



67.7640, 0.3708, 0.3716



67.7640, 0.2898, 0.3622



67.7640, 0.2573, 0.2844

Rectangle

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



67.7640, 0.3343, 0.2988



67.7640, 0.3724, 0.3400



67.7640, 0.2898, 0.3622



67.7640, 0.2565, 0.3132

Sweetspot

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



67.7603, 0.3343, 0.2988



88.6129, 0.3187, 0.3197



63.9421, 0.2929, 0.2704



18.7673, 0.3192, 0.3189



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.



67.7603, 0.3343, 0.2988



62.9198, 0.3393, 0.2930



66.3579, 0.3554, 0.3262



18.1498, 0.3210, 0.3163



12.0771, 0.4813, 0.2425



1.1980, 0.4579, 0.2296

Inverse Universe

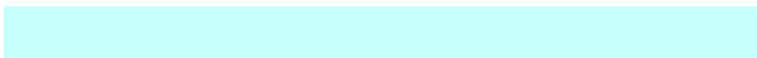
The Inverse Universe completely reimagines the original color for something new.



67.7603, 0.3343, 0.2988



62.9198, 0.3393, 0.2930



90.7020, 0.2814, 0.3318



18.1498, 0.3210, 0.3163



12.0771, 0.4813, 0.2425



1.1980, 0.4579, 0.2296

Previews

White Background



This preview shows how the Yxy color 67.7640, 0.3343, 0.2988 looks on a white background.

Color Contrast Check

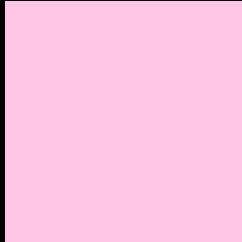
Large Text (above 18pt) WCAG AA × Fail

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 67.7640, 0.3343, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

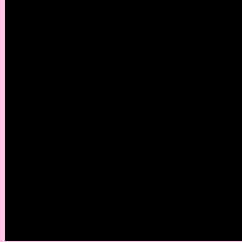
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7640, 0.3343, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 67.7640, 0.3343, 0.2988.

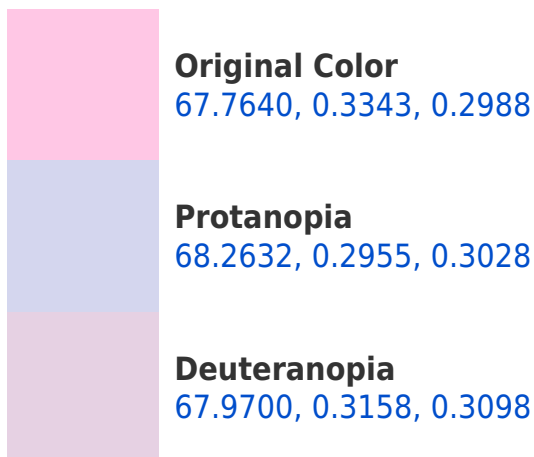


This preview shows how white text looks on a background with the Yxy color 67.7640, 0.3343, 0.2988.

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





Tritanopia

67.6657, 0.3416, 0.3127

Trichromacy



Original Color

67.7640, 0.3343, 0.2988

Protanomaly

68.0931, 0.3089, 0.3014

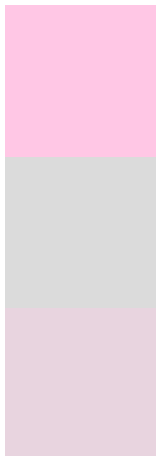
Deuteranomaly

67.6148, 0.3222, 0.3049

Tritanomaly

67.5998, 0.3395, 0.3077

Monochromacy



Original Color

67.7640, 0.3343, 0.2988

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.5705, 0.3199, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7640, 0.3343, 0.2988 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, 199, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 229)  
}
```

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, 199, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 229) }
```

Border

The CSS property to change the border of an element to Yxy 67.7640, 0.3343, 0.2988 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, 199, 229) }
```

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

```
.border{ border-color:rgb(255, 199, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7640, 0.3343, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 229) }
```

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

```
.background{ background-color: rgb(255,  
199, 229) }
```

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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