

Converting Colors

$Y_{xy}(67.5399, 0.3361, 0.3010)$

Have a look what the booklet for
Yxy(67.5399, 0.3361, 0.3010)
contains.

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Color

Yxy(67.6529, 0.3358, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7E3
RGB	255, 199, 227
RGB Percent	100%, 78%, 89%
CMY	0.0000, 0.2196, 0.1099
CMYK	0.00, 0.22, 0.11, 0.00
HSL	330°, 100%, 89%
HSV	330°, 22%, 100%
XYZ	75.5247, 67.6529, 81.7323
YIQ	218.9360, 24.3880, 20.5800

Conversions

Conversions Part 2

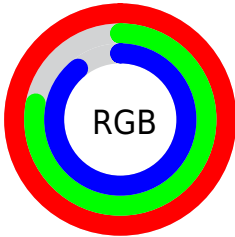
Format	Color
R_{YB}	255, 199, 227
Decimal	16762851
CIE _{Lab}	85.83, 24.18, -6.19
CIE _{LCh}	86, 24.959, 345.639
Yxy	67.6529, 0.3358, 0.3008
Android (android.graphics.Color)	4294952931 (0xFFFFC7E3)
YUV	218.9360, 3.9756, 31.6281
Hunter-Lab	82.2514, 19.9621, -1.3398

Details

The Yxy color **67.6529, 0.3358, 0.3008** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.2098, 0.2946, 0.3591**, and the grayscale version is **70.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2351, 0.3411, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **56.2089, 0.3498, 0.2873**, and if you desaturate by 10%, it is **81.1213, 0.3241, 0.3140**.

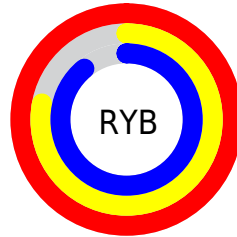
Distribution



Red (100%)

Green (78%)

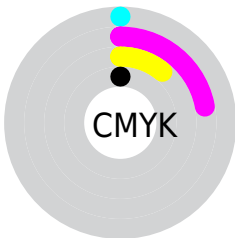
Blue (89%)



Red (100%)

Yellow (78%)

Blue (89%)

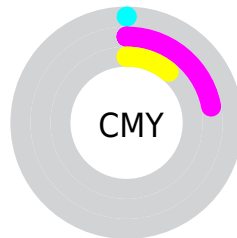


Cyan (0%)

Magenta (22%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6529, 0.3358, 0.3008 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 67.6529, 0.3358, 0.3008 by changing the saturation by 10% instead.


 67.6529, 0.3358,
0.3008

 67.6529, 0.3358,
0.3008


452.2652, 0.3251,
0.3137

 49.6154, 0.3382,
0.2979


115.8555, 0.3321,
0.3053

 35.1079, 0.3413,
0.2943


146.7893, 0.3307,
0.3070

 23.7460, 0.3451,
0.2897


182.7907, 0.3294,
0.3085

 15.1453, 0.3501,
0.2838

224.2441, 0.3283,
0.3098

 8.9214, 0.3569,
0.2759

271.5339, 0.3274,
0.3110

 4.6900, 0.3667,
0.2645

325.0444, 0.3265,

 2.0665, 0.3822,

0.3120

0.2471

385.1600, 0.3258,
0.3129

0.6457, 0.4125,
0.2117

0.0000, 1.0000,
0.0000

67.6529, 0.3358,
0.3008

67.6529, 0.3358,
0.3008

56.2089, 0.3498,
0.2873

81.1213, 0.3241,
0.3140

46.6811, 0.3664,
0.2740

96.6971, 0.3144,
0.3266

38.9651, 0.3857,
0.2618

99.9995, 0.3127,
0.3290

32.9427, 0.4076,
0.2517

■ 28.4815, 0.4315,
0.2451

■ 25.4293, 0.4565,
0.2431

■ 23.6026, 0.4813,
0.2466

■ 22.8015, 0.5003,
0.2530

Harmonies

Analogous

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



67.6529, 0.3045, 0.2843



67.6529, 0.3358, 0.3008



67.6529, 0.3617, 0.3243

Triad

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



67.6529, 0.3358, 0.3008



67.6529, 0.3480, 0.3835



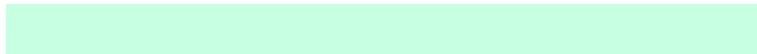
67.6529, 0.2552, 0.3033

Complementary

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



67.6529, 0.3358, 0.3008



89.2098, 0.2946, 0.3591

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.



67.6529, 0.2657, 0.3310



67.6529, 0.3358, 0.3008



67.6529, 0.3185, 0.3796

Square

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



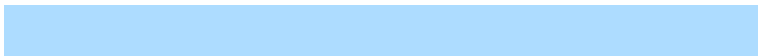
67.6529, 0.3358, 0.3008



67.6529, 0.3686, 0.3718



67.6529, 0.2885, 0.3598



67.6529, 0.2592, 0.2846

Rectangle

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



67.6529, 0.3358, 0.3008



67.6529, 0.3717, 0.3415



67.6529, 0.2885, 0.3598



67.6529, 0.2571, 0.3118

Sweetspot

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



67.6559, 0.3358, 0.3008



88.5731, 0.3191, 0.3204



64.4031, 0.2949, 0.2707



18.7581, 0.3196, 0.3196



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.



67.6559, 0.3358, 0.3008



62.7903, 0.3412, 0.2953



66.2352, 0.3577, 0.3291



18.1384, 0.3215, 0.3172



11.9447, 0.4967, 0.2510



1.1851, 0.4712, 0.2369

Inverse Universe

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



67.6559, 0.3358, 0.3008



62.7903, 0.3412, 0.2953



90.8818, 0.2800, 0.3289



18.1384, 0.3215, 0.3172



11.9447, 0.4967, 0.2510



1.1851, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 67.6529, 0.3358, 0.3008 looks on a white background.

Color Contrast Check

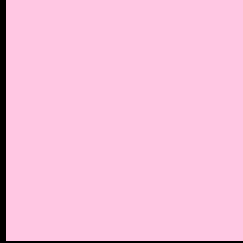
Large Text (above 18pt) WCAG AA × Fail

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 67.6529, 0.3358, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

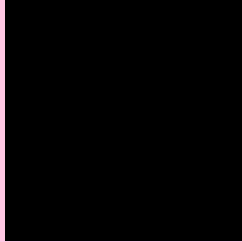
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6529, 0.3358, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 67.6529, 0.3358, 0.3008.

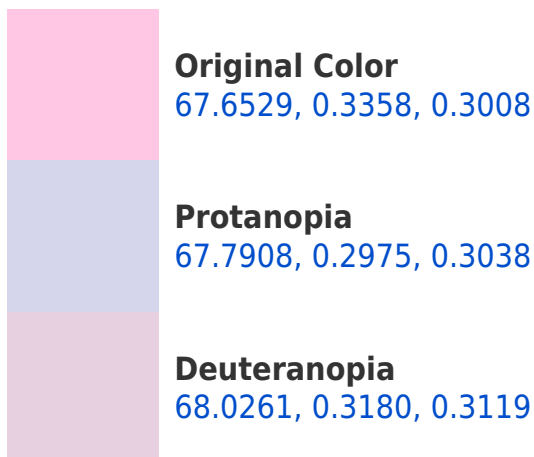


This preview shows how white text looks on a background with the Yxy color 67.6529, 0.3358, 0.3008.

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

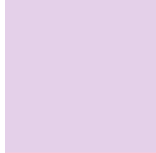
67.8020, 0.3431, 0.3138

Trichromacy



Original Color

67.6529, 0.3358, 0.3008



Protanomaly

67.4889, 0.3103, 0.3023



Deuteranomaly

67.6789, 0.3244, 0.3070



Tritanomaly

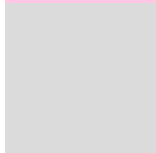
67.5467, 0.3402, 0.3087

Monochromacy



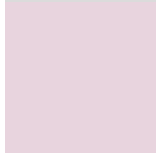
Original Color

67.6529, 0.3358, 0.3008



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.5167, 0.3206, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6529, 0.3358, 0.3008 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 227) }
```

Border

The CSS property to change the border of an element to Yxy 67.6529, 0.3358, 0.3008 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, 227) }
```

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

```
.border{ border-color:rgb(255, 199, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6529, 0.3358, 0.3008 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
199, 227) }
```

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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