

Converting Colors

$Yxy(63.8089, 0.3289, 0.2806)$

Have a look what the booklet for
Yxy(63.8089, 0.3289, 0.2806)
contains.

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Color

Yxy(63.7696, 0.3292, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDED
RGB	255, 189, 237
RGB Percent	100%, 74%, 93%
CMY	0.0000, 0.2589, 0.0705
CMYK	0.00, 0.26, 0.07, 0.00
HSL	316°, 100%, 87%
HSV	316°, 26%, 100%
XYZ	74.7346, 63.7696, 88.5147
YIQ	214.2060, 23.9280, 28.9200

Conversions

Conversions Part 2

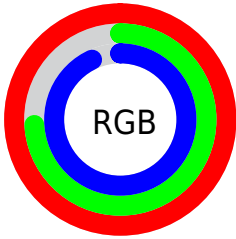
Format	Color
R _Y B	255, 189, 237
Decimal	16760301
CIE Lab	83.85, 31.12, -14.51
CIE LCh	84, 34.340, 335.003
Yxy	63.7696, 0.3292, 0.2809
Android (android.graphics.Color)	4294950381 (0xFFFFBDED)
YUV	214.2060, 11.2374, 35.7763
Hunter-Lab	79.8559, 27.3048, -9.8197

Details

The Yxy color **63.7696, 0.3292, 0.2809** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.8404, 0.2995, 0.3825**, and the grayscale version is **67.2992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **32.6699, 0.3334, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **53.3470, 0.3374, 0.2619**, and if you desaturate by 10%, it is **76.1315, 0.3220, 0.2999**.

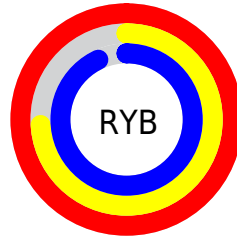
Distribution



Red (100%)

Green (74%)

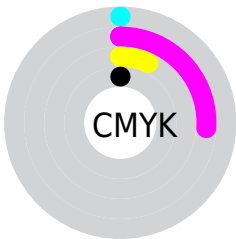
Blue (93%)



Red (100%)

Yellow (74%)

Blue (93%)

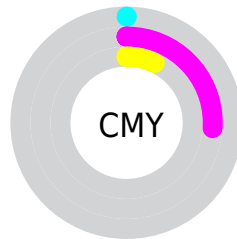


Cyan (0%)

Magenta (26%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7696, 0.3292, 0.2809 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 63.7696, 0.3292, 0.2809 by changing the saturation by 10% instead.

 63.7696, 0.3292,
0.2809

 63.7696, 0.3292,
0.2809


438.3572, 0.3218,
0.3027

 46.4641, 0.3308,
0.2760


 110.2791, 0.3267,
0.2884

 32.6122, 0.3328,
0.2700


140.2518, 0.3257,
0.2913

 21.8295, 0.3352,
0.2626


175.2157, 0.3248,
0.2939

 13.7317, 0.3384,
0.2529

215.5552, 0.3241,
0.2961

 7.9343, 0.3424,
0.2401

261.6548, 0.3234,
0.2980

 4.0529, 0.3480,
0.2222

313.8986, 0.3228,


 1.7032, 0.3560,

0.2998


0.1955


372.6713, 0.3223,
0.3013


 0.4257, 0.3764,
0.1327


 0.0000, 0.2915,
0.0000


 63.7696, 0.3292,
0.2809


 63.7696, 0.3292,
0.2809

 53.3470, 0.3374,
0.2619


 76.1315, 0.3220,
0.2999

 44.7699, 0.3467,
0.2438

 90.5338, 0.3159,
0.3185

 37.9255, 0.3569,
0.2275

100.0000, 0.3127,
0.3290

 32.6915, 0.3679,
0.2141

■ 28.9299, 0.3793,
0.2046

■ 26.4788, 0.3907,
0.1999

■ 25.1379, 0.4018,
0.2001

■ 24.7878, 0.4063,
0.2012

Harmonies

Analogous

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



63.7696, 0.2859, 0.2630



63.7696, 0.3292, 0.2809



63.7696, 0.3703, 0.3097

Triad

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



63.7696, 0.3292, 0.2809



63.7696, 0.3737, 0.4015



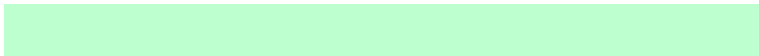
63.7696, 0.2364, 0.3046

Complementary

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



63.7696, 0.3292, 0.2809



86.8404, 0.2995, 0.3825

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.



63.7696, 0.2567, 0.3463



63.7696, 0.3292, 0.2809



63.7696, 0.3352, 0.4059

Square

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



63.7696, 0.3292, 0.2809



63.7696, 0.3964, 0.3776



63.7696, 0.2924, 0.3854



63.7696, 0.2349, 0.2740

Rectangle

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



63.7696, 0.3292, 0.2809



63.7696, 0.3896, 0.3325



63.7696, 0.2924, 0.3854



63.7696, 0.2411, 0.3178

Sweetspot

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



63.7671, 0.3292, 0.2809



87.3154, 0.3171, 0.3146



56.8176, 0.2799, 0.2571



18.2110, 0.3180, 0.3119



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.



63.7671, 0.3292, 0.2809



58.2019, 0.3332, 0.2711



62.0293, 0.3554, 0.3132



18.2110, 0.3180, 0.3119



12.9785, 0.4045, 0.2002



1.2820, 0.3928, 0.1937

Inverse Universe

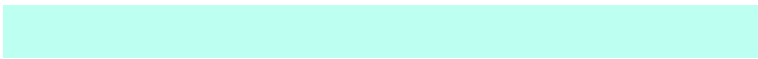
The Inverse Universe completely reimagines the original color for something new.



63.7671, 0.3292, 0.2809



58.2019, 0.3332, 0.2711



88.6049, 0.2824, 0.3455



18.2110, 0.3180, 0.3119



12.9785, 0.4045, 0.2002



1.2820, 0.3928, 0.1937

Previews

White Background



This preview shows how the Yxy color 63.7696, 0.3292, 0.2809 looks on a white background.

Color Contrast Check

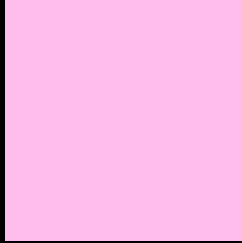
Large Text (above 18pt) WCAG AA × Fail

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 63.7696, 0.3292, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

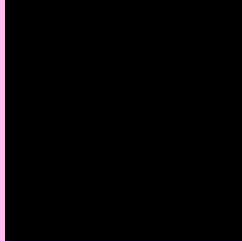
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7696, 0.3292, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 63.7696, 0.3292, 0.2809.



This preview shows how white text looks on a background with the Yxy color 63.7696, 0.3292, 0.2809.

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

63.7696, 0.3292, 0.2809

Protanopia

64.3688, 0.2811, 0.2838

Deuteranopia

64.0317, 0.3024, 0.2962



Tritanopia

63.6963, 0.3474, 0.3135

Trichromacy



Original Color

63.7696, 0.3292, 0.2809



Protanomaly

63.7380, 0.2972, 0.2819



Deuteranomaly

63.8339, 0.3115, 0.2908



Tritanomaly

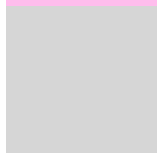
63.5092, 0.3405, 0.3013

Monochromacy



Original Color

63.7696, 0.3292, 0.2809



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.5946, 0.3189, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7696, 0.3292, 0.2809 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, 189, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 237)  
}
```

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, 189, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 237) }
```

Border

The CSS property to change the border of an element to Yxy 63.7696, 0.3292, 0.2809 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, 189, 237) }
```

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

```
.border{ border-color:rgb(255, 189, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7696, 0.3292, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 237) }
```

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

```
.background{ background-color: rgb(255,  
189, 237) }
```

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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