

Converting Colors

$Y_{xy}(86.8479, 0.4020, 0.2905)$

Have a look what the booklet for
Yxy(86.8479, 0.4020, 0.2905)
contains.

Yxy(63.4584, 0.3278, 0.2780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4584, 0.3278, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	FFBCEF
RGB	255, 188, 239
RGB Percent	100%, 74%, 94%
CMY	0.0000, 0.2629, 0.0627
CMYK	0.00, 0.26, 0.06, 0.00
HSL	314°, 100%, 87%
HSV	314°, 26%, 100%
XYZ	74.8261, 63.4584, 89.9831
YIQ	213.8470, 23.5610, 30.0650

Conversions

Conversions Part 2

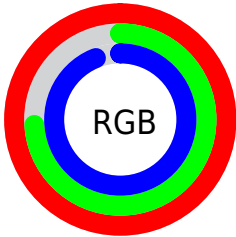
Format	Color
R _Y B	255, 188, 239
Decimal	16760047
CIE Lab	83.68, 32.01, -15.82
CIE LCh	84, 35.707, 333.705
Yxy	63.4584, 0.3278, 0.2780
Android (android.graphics.Color)	4294950127 (0xFFFFBCEF)
YUV	213.8470, 12.4004, 36.0912
Hunter-Lab	79.6608, 28.2604, -11.2102

Details

The Yxy color **63.4584, 0.3278, 0.2780** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.5646, 0.3006, 0.3861**, and the grayscale version is **67.0284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **32.4749, 0.3314, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **53.1465, 0.3351, 0.2583**, and if you desaturate by 10%, it is **75.6839, 0.3213, 0.2978**.

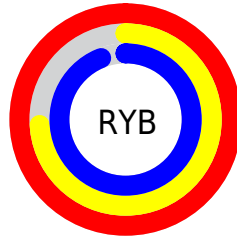
Distribution



Red (100%)

Green (74%)

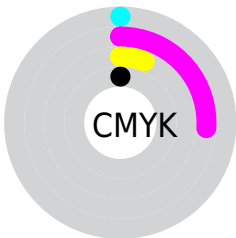
Blue (94%)



Red (100%)

Yellow (74%)

Blue (94%)

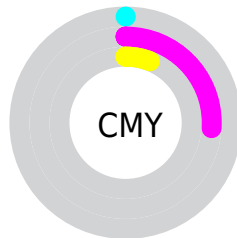


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4584, 0.3278, 0.2780 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 63.4584, 0.3278, 0.2780 by changing the saturation by 10% instead.


 63.4584, 0.3278,
0.2780

 63.4584, 0.3278,
0.2780

437.2312, 0.3211,
0.3011

 46.2122, 0.3292,
0.2728


 109.8306, 0.3255,
0.2859

 32.4133, 0.3310,
0.2665


139.7253, 0.3247,
0.2890

 21.6774, 0.3331,
0.2587


174.6049, 0.3239,
0.2917

 13.6200, 0.3359,
0.2485

214.8539, 0.3232,
0.2941

 7.8569, 0.3394,
0.2351

260.8567, 0.3226,
0.2961

 4.0035, 0.3440,
0.2163

312.9975, 0.3221,

 1.6755, 0.3504,

0.2980

0.1887

371.6609, 0.3216,
0.2996

0.4077, 0.3679,
0.1237

0.0000, 0.2532,
0.0000

63.4584, 0.3278,
0.2780

63.4584, 0.3278,
0.2780

53.1465, 0.3351,
0.2583

75.6839, 0.3213,
0.2978

44.6814, 0.3432,
0.2395

89.9516, 0.3158,
0.3172

37.9408, 0.3522,
0.2227

100.0000, 0.3127,
0.3290

32.8022, 0.3617,
0.2089

■ 29.1264, 0.3714,
0.1991

■ 26.7509, 0.3811,
0.1939

■ 25.4728, 0.3904,
0.1936

■ 25.1649, 0.3938,
0.1943

Harmonies

Analogous

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



63.4584, 0.2830, 0.2601



63.4584, 0.3278, 0.2780



63.4584, 0.3711, 0.3074

Triad

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



63.4584, 0.3278, 0.2780



63.4584, 0.3775, 0.4036



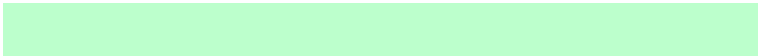
63.4584, 0.2339, 0.3051

Complementary

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



63.4584, 0.3278, 0.2780



86.5646, 0.3006, 0.3861

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.



63.4584, 0.2558, 0.3489



63.4584, 0.3278, 0.2780



63.4584, 0.3379, 0.4096

Square

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



63.4584, 0.3278, 0.2780



63.4584, 0.4004, 0.3779



63.4584, 0.2933, 0.3893



63.4584, 0.2316, 0.2727

Rectangle

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



63.4584, 0.3278, 0.2780



63.4584, 0.3918, 0.3308



63.4584, 0.2933, 0.3893



63.4584, 0.2391, 0.3190

Sweetspot

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



63.4468, 0.3277, 0.2780



87.3586, 0.3167, 0.3140



55.9558, 0.2778, 0.2555



18.2220, 0.3175, 0.3111



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.



63.4468, 0.3277, 0.2780



57.3308, 0.3318, 0.2667



61.6622, 0.3544, 0.3107



18.2220, 0.3175, 0.3111



13.1737, 0.3924, 0.1935



1.2996, 0.3825, 0.1881

Inverse Universe

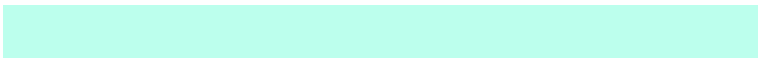
The Inverse Universe completely reimagines the original color for something new.



63.4468, 0.3277, 0.2780



57.3308, 0.3318, 0.2667



88.3293, 0.2831, 0.3483



18.2220, 0.3175, 0.3111



13.1737, 0.3924, 0.1935



1.2996, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 63.4584, 0.3278, 0.2780 looks on a white background.

Color Contrast Check

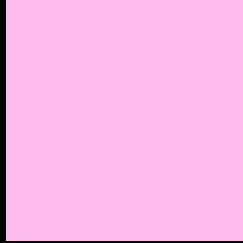
Large Text (above 18pt) WCAG AA × Fail

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 63.4584, 0.3278, 0.2780 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 63.4584, 0.3278, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 63.4584, 0.3278, 0.2780.



This preview shows how white text looks on a background with the Yxy color 63.4584, 0.3278, 0.2780.

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

63.4584, 0.3278, 0.2780

Protanopia

63.7960, 0.2779, 0.2794

Deuteranopia

63.3669, 0.2996, 0.2929



Tritanopia

63.2032, 0.3484, 0.3135

Trichromacy



Original Color

63.4584, 0.3278, 0.2780



Protanomaly

63.0840, 0.2944, 0.2786



Deuteranomaly

63.3256, 0.3093, 0.2876



Tritanomaly

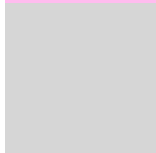
63.0715, 0.3407, 0.3003

Monochromacy



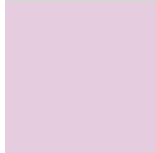
Original Color

63.4584, 0.3278, 0.2780



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.6484, 0.3182, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4584, 0.3278, 0.2780 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, 188, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 239)  
}
```

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, 188, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 239) }
```

Border

The CSS property to change the border of an element to Yxy 63.4584, 0.3278, 0.2780 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, 188, 239) }
```

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

```
.border{ border-color:rgb(255, 188, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4584, 0.3278, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 239) }
```

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

```
.background{ background-color: rgb(255,  
188, 239) }
```

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