

Converting Colors

$Y_{xy}(100.0000, 0.4258, 0.2922)$

Have a look what the booklet for
Yxy(100.0000, 0.4258, 0.2922)
contains.

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Color

Yxy(63.6975, 0.3247, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	FFBCF3
RGB	255, 188, 243
RGB Percent	100%, 74%, 95%
CMY	0.0000, 0.2627, 0.0470
CMYK	0.00, 0.26, 0.05, 0.00
HSL	311°, 100%, 87%
HSV	311°, 26%, 100%
XYZ	75.4013, 63.6975, 93.1196
YIQ	214.3030, 22.2770, 31.3090

Conversions

Conversions Part 2

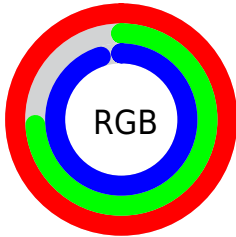
Format	Color
R_{YB}	255, 188, 243
Decimal	16760051
CIE _{Lab}	83.81, 32.65, -17.76
CIE _{LCh}	84, 37.170, 331.461
Yxy	63.6975, 0.3247, 0.2743
Android (android.graphics.Color)	4294950131 (0xFFFFBCF3)
YUV	214.3030, 14.1476, 35.6913
Hunter-Lab	79.8107, 28.9694, -13.3094

Details

The Yxy color **63.6975, 0.3247, 0.2743** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.3821, 0.3027, 0.3907**, and the grayscale version is **67.3534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7848, 0.3132, 0.3194**, and **32.6438, 0.3273, 0.2620** is the 20% darker color. If you saturate the color by 10%, you get **53.4782, 0.3304, 0.2533**, and if you desaturate by 10%, it is **75.8540, 0.3196, 0.2955**.

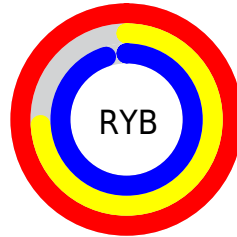
Distribution



Red (100%)

Green (74%)

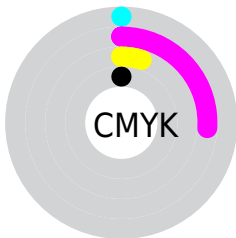
Blue (95%)



Red (100%)

Yellow (74%)

Blue (95%)

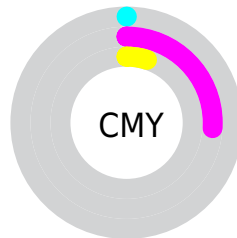


Cyan (0%)

Magenta (26%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6975, 0.3247, 0.2743 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 63.6975, 0.3247, 0.2743 by changing the saturation by 10% instead.


 63.6975, 0.3247,
0.2743

 63.6975, 0.3247,
0.2743

438.0964, 0.3196,
0.2990

 46.4057, 0.3258,
0.2688

 110.1752, 0.3230,
0.2827

 32.5661, 0.3271,
0.2621


140.1298, 0.3223,
0.2860

 21.7943, 0.3286,
0.2538


175.0743, 0.3217,
0.2889

 13.7058, 0.3305,
0.2431

215.3928, 0.3212,
0.2914

 7.9163, 0.3328,
0.2290

261.4699, 0.3207,
0.2937

 4.0415, 0.3357,
0.2094


313.6900, 0.3203,


 1.6968, 0.3392,


0.2956

0.1809


372.4373, 0.3199,
0.2974


 0.4216, 0.3497,
0.1179


 0.0000, 0.2272,
0.0000


 63.6975, 0.3247,
0.2743


 63.6975, 0.3247,
0.2743

 53.4782, 0.3304,
0.2533


 75.8540, 0.3196,
0.2955

 45.0864, 0.3367,
0.2334

 90.0332, 0.3152,
0.3164

 38.4141, 0.3434,
0.2157

100.0000, 0.3127,
0.3290

 33.3389, 0.3504,
0.2010

■ 29.7220, 0.3574,
0.1903

■ 27.4005, 0.3643,
0.1842

■ 26.1722, 0.3709,
0.1828

■ 25.8809, 0.3733,
0.1830

Harmonies

Analogous

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



63.6975, 0.2787, 0.2569



63.6975, 0.3247, 0.2743



63.6975, 0.3705, 0.3040

Triad

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



63.6975, 0.3247, 0.2743



63.6975, 0.3824, 0.4050



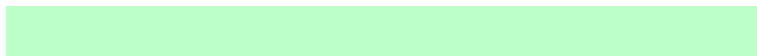
63.6975, 0.2320, 0.3072

Complementary

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



63.6975, 0.3247, 0.2743



86.3821, 0.3027, 0.3907

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.



63.6975, 0.2560, 0.3531



63.6975, 0.3247, 0.2743



63.6975, 0.3422, 0.4135

Square

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



63.6975, 0.3247, 0.2743



63.6975, 0.4046, 0.3770



63.6975, 0.2958, 0.3944



63.6975, 0.2281, 0.2724

Rectangle

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



63.6975, 0.3247, 0.2743



63.6975, 0.3931, 0.3280



63.6975, 0.2958, 0.3944



63.6975, 0.2379, 0.3218

Sweetspot

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



63.7003, 0.3247, 0.2743



87.4349, 0.3159, 0.3128



55.3543, 0.2746, 0.2549



18.2413, 0.3166, 0.3097



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.



63.7003, 0.3247, 0.2743



57.6154, 0.3279, 0.2622



61.8987, 0.3506, 0.3061



18.2413, 0.3166, 0.3097



13.5436, 0.3722, 0.1824



1.3326, 0.3653, 0.1786

Inverse Universe

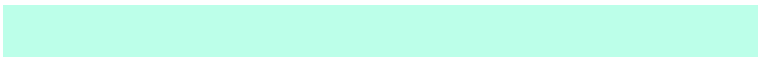
The Inverse Universe completely reimagines the original color for something new.



63.7003, 0.3247, 0.2743



57.6154, 0.3279, 0.2622



88.0763, 0.2854, 0.3533



18.2413, 0.3166, 0.3097



13.5436, 0.3722, 0.1824



1.3326, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 63.6975, 0.3247, 0.2743 looks on a white background.

Color Contrast Check

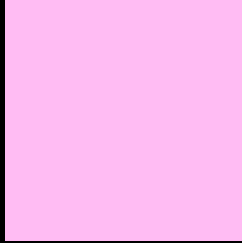
Large Text (above 18pt) WCAG AA × Fail

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 63.6975, 0.3247, 0.2743 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 63.6975, 0.3247, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 63.6975, 0.3247, 0.2743.



This preview shows how white text looks on a background with the Yxy color 63.6975, 0.3247, 0.2743.

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

63.6975, 0.3247, 0.2743

Protanopia

63.9878, 0.2761, 0.2764

Deuteranopia

63.9241, 0.2962, 0.2898



Tritanopia

63.6963, 0.3474, 0.3135

Trichromacy



Original Color

63.6975, 0.3247, 0.2743



Protanomaly

63.3337, 0.2918, 0.2747



Deuteranomaly

63.5620, 0.3065, 0.2836



Tritanomaly

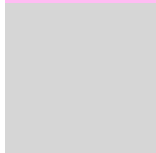
63.6152, 0.3390, 0.2993

Monochromacy



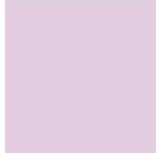
Original Color

63.6975, 0.3247, 0.2743



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.7569, 0.3167, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6975, 0.3247, 0.2743 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 243) }
```

Border

The CSS property to change the border of an element to Yxy 63.6975, 0.3247, 0.2743 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, 243) }
```

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

```
.border{ border-color:rgb(255, 188, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 188, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 188, 243); box-shadow:4px 4px 4px 4px rgb(255, 188, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6975, 0.3247, 0.2743 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
188, 243) }
```

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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