

Converting Colors

$Y_{xy}(63.8195, 0.3270, 0.2779)$

Have a look what the booklet for
Yxy(63.8195, 0.3270, 0.2779)
contains.

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Color

Yxy(63.9465, 0.3269, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDF0
RGB	255, 189, 240
RGB Percent	100%, 74%, 94%
CMY	0.0000, 0.2588, 0.0588
CMYK	0.00, 0.26, 0.06, 0.00
HSL	314°, 100%, 87%
HSV	314°, 26%, 100%
XYZ	75.1676, 63.9465, 90.8266
YIQ	214.5480, 22.9650, 29.8530

Conversions

Conversions Part 2

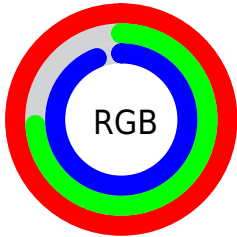
Format	Color
R _Y B	255, 189, 240
Decimal	16760304
CIE Lab	83.94, 31.62, -15.96
CIE LCh	84, 35.417, 333.210
Yxy	63.9465, 0.3269, 0.2781
Android (android.graphics.Color)	4294950384 (0xFFFFBDF0)
YUV	214.5480, 12.5478, 35.4764
Hunter-Lab	79.9666, 27.8464, -11.3654

Details

The Yxy color $63.9465, 0.3269, 0.2781$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $86.6986, 0.3011, 0.3860$, and the grayscale version is $67.5372, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $32.7944, 0.3303, 0.2668$ is the 20% darker color. If you saturate the color by 10%, you get $53.5867, 0.3339, 0.2581$, and if you desaturate by 10%, it is $76.2501, 0.3208, 0.2982$.

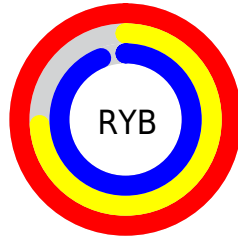
Distribution



Red (100%)

Green (74%)

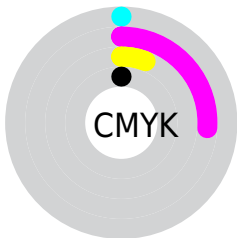
Blue (94%)



Red (100%)

Yellow (74%)

Blue (94%)

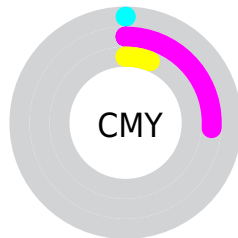


Cyan (0%)

Magenta (26%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9465, 0.3269, 0.2781 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 63.9465, 0.3269, 0.2781 by changing the saturation by 10% instead.

 63.9465, 0.3269,
0.2781

 63.9465, 0.3269,
0.2781


438.9964, 0.3207,
0.3011

 46.6073, 0.3282,
0.2730


 110.5339, 0.3248,
0.2860

 32.7254, 0.3299,
0.2667


140.5509, 0.3240,
0.2891

 21.9161, 0.3319,
0.2589


175.5627, 0.3232,
0.2918

 13.7953, 0.3344,
0.2488

215.9536, 0.3226,
0.2941

 7.9784, 0.3376,
0.2354

262.1080, 0.3220,
0.2962

 4.0811, 0.3418,
0.2169

314.4103, 0.3215,

 1.7191, 0.3475,

0.2980

0.1895

373.2450, 0.3211,
0.2997

0.4360, 0.3625,
0.1279

0.0000, 0.2579,
0.0000

63.9465, 0.3269,
0.2781

63.9465, 0.3269,
0.2781

53.5867, 0.3339,
0.2581

76.2501, 0.3208,
0.2982

45.0632, 0.3417,
0.2391

90.5848, 0.3155,
0.3178

38.2678, 0.3501,
0.2220

100.0000, 0.3127,
0.3290

33.0786, 0.3591,
0.2079

■ 29.3573, 0.3683,
0.1977

■ 26.9423, 0.3775,
0.1922

■ 25.6334, 0.3863,
0.1914

■ 25.2950, 0.3898,
0.1921

Harmonies

Analogous

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



63.9465, 0.2827, 0.2606



63.9465, 0.3269, 0.2781



63.9465, 0.3699, 0.3071

Triad

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



63.9465, 0.3269, 0.2781



63.9465, 0.3774, 0.4026



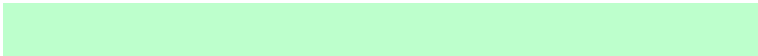
63.9465, 0.2349, 0.3061

Complementary

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



63.9465, 0.3269, 0.2781



86.6986, 0.3011, 0.3860

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.



63.9465, 0.2568, 0.3494



63.9465, 0.3269, 0.2781



63.9465, 0.3384, 0.4088

Square

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



63.9465, 0.3269, 0.2781



63.9465, 0.3996, 0.3770



63.9465, 0.2943, 0.3892



63.9465, 0.2323, 0.2737

Rectangle

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



63.9465, 0.3269, 0.2781



63.9465, 0.3906, 0.3303



63.9465, 0.2943, 0.3892



63.9465, 0.2402, 0.3199

Sweetspot

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



63.9486, 0.3269, 0.2781



87.3730, 0.3165, 0.3137



56.3558, 0.2776, 0.2566



18.2256, 0.3173, 0.3108



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.



63.9486, 0.3269, 0.2781



58.4082, 0.3304, 0.2678



62.1961, 0.3526, 0.3098



18.2256, 0.3173, 0.3108



13.2410, 0.3884, 0.1913



1.3057, 0.3791, 0.1862

Inverse Universe

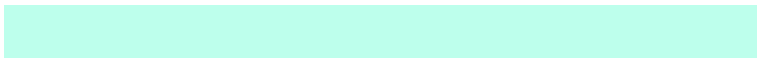
The Inverse Universe completely reimagines the original color for something new.



63.9486, 0.3269, 0.2781



58.4082, 0.3304, 0.2678



88.4129, 0.2841, 0.3492



18.2256, 0.3173, 0.3108



13.2410, 0.3884, 0.1913



1.3057, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 63.9465, 0.3269, 0.2781 looks on a white background.

Color Contrast Check

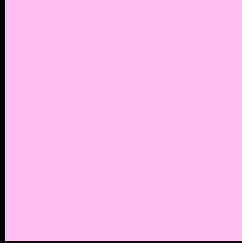
Large Text (above 18pt) WCAG AA × Fail

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 63.9465, 0.3269, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

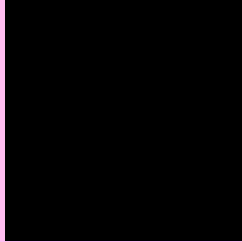
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9465, 0.3269, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 63.9465, 0.3269, 0.2781.



This preview shows how white text looks on a background with the Yxy color 63.9465, 0.3269, 0.2781.

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

63.9465, 0.3269, 0.2781

Protanopia

64.4194, 0.2786, 0.2807

Deuteranopia

64.0519, 0.2996, 0.2930



Tritanopia

63.7459, 0.3466, 0.3125

Trichromacy



Original Color

63.9465, 0.3269, 0.2781



Protanomaly

63.7662, 0.2945, 0.2788



Deuteranomaly

64.0088, 0.3094, 0.2878



Tritanomaly

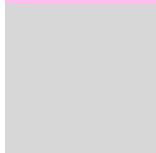
63.6152, 0.3390, 0.2993

Monochromacy



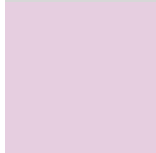
Original Color

63.9465, 0.3269, 0.2781



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.3474, 0.3181, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9465, 0.3269, 0.2781 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 240) }
```

Border

The CSS property to change the border of an element to Yxy 63.9465, 0.3269, 0.2781 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, 240) }
```

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

```
.border{ border-color:rgb(255, 189, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9465, 0.3269, 0.2781 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, 240) }
```

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

```
.background{ background-color: rgb(255,  
189, 240) }
```

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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