

Converting Colors

$Y_{xy}(63.1779, 0.3075, 0.2634)$

Have a look what the booklet for
Yxy(63.1779, 0.3075, 0.2634)
contains.

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Color

Yxy(63.2800, 0.3074, 0.2637)

Conversions

Conversions Part 1

Format	Color
Hex	F4BEFF
RGB	244, 190, 255
RGB Percent	96%, 75%, 100%
CMY	0.0432, 0.2549, 0.0000
CMYK	0.04, 0.25, 0.00, 0.00
HSL	290°, 100%, 87%
HSV	290°, 25%, 100%
XYZ	73.7667, 63.2800, 102.9230
YIQ	213.5560, 11.3190, 31.6630

Conversions

Conversions Part 2

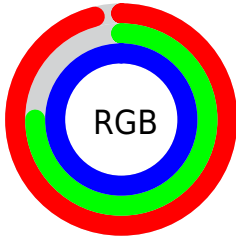
Format	Color
R _Y B	244, 190, 255
Decimal	16039679
CIE Lab	83.59, 30.23, -24.58
CIE LCh	84, 38.957, 320.886
Yxy	63.2800, 0.3074, 0.2637
Android (android.graphics.Color)	4294229759 (0xFFFF4BEFF)
YUV	213.5560, 20.4319, 26.6994
Hunter-Lab	79.5487, 26.3153, -21.0274

Details

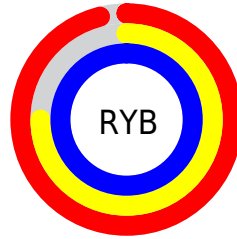
The Yxy color **63.2800, 0.3074, 0.2637** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.6497, 0.3160, 0.4006**, and the grayscale version is **66.7872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **32.2503, 0.3054, 0.2494** is the 20% darker color. If you saturate the color by 10%, you get **52.4224, 0.3045, 0.2374**, and if you desaturate by 10%, it is **76.0933, 0.3098, 0.2900**.

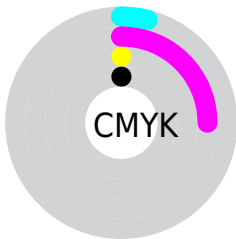
Distribution



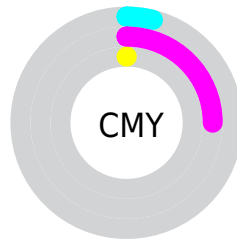
- Red (96%)
- Green (75%)
- Blue (100%)



- Red (96%)
- Yellow (75%)
- Blue (100%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2800, 0.3074, 0.2637 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 63.2800, 0.3074, 0.2637 by changing the saturation by 10% instead.

 63.2800, 0.3074,
0.2637

 63.2800, 0.3074,
0.2637

436.5850, 0.3105,
0.2930

 46.0678, 0.3065,
0.2573


 109.5734, 0.3086,
0.2737

 32.2993, 0.3054,
0.2494


139.4233, 0.3090,
0.2776

 21.5902, 0.3039,
0.2397


174.2546, 0.3094,
0.2810

 13.5561, 0.3017,
0.2273

214.4516, 0.3097,
0.2840

 7.8126, 0.2984,
0.2111

260.3987, 0.3100,
0.2866

 3.9753, 0.2931,
0.1891

312.4804, 0.3102,

 1.6597, 0.2837,

0.2890

0.1577

371.0810, 0.3104,
0.2911

0.3974, 0.2699,
0.0935

0.0000, 0.0628,
0.0000

63.2800, 0.3074,
0.2637

63.2800, 0.3074,
0.2637

52.4224, 0.3045,
0.2374

76.0933, 0.3098,
0.2900

43.4117, 0.3011,
0.2120

90.9476, 0.3118,
0.3155

36.1405, 0.2972,
0.1885

99.9992, 0.3127,
0.3290

30.4875, 0.2931,
0.1682

■ 26.3151, 0.2886,
0.1518

■ 23.4630, 0.2841,
0.1399

■ 21.7329, 0.2796,
0.1326

■ 21.1901, 0.2776,
0.1303

Harmonies

Analogous

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



63.2800, 0.2625, 0.2510



63.2800, 0.3074, 0.2637



63.2800, 0.3574, 0.2907

Triad

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



63.2800, 0.3074, 0.2637



63.2800, 0.3967, 0.3999



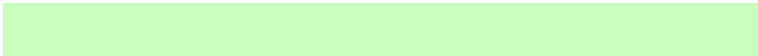
63.2800, 0.2348, 0.3222

Complementary

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



63.2800, 0.3074, 0.2637



87.6497, 0.3160, 0.4006

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.



63.2800, 0.2663, 0.3714



63.2800, 0.3074, 0.2637



63.2800, 0.3597, 0.4177

Square

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



63.2800, 0.3074, 0.2637



63.2800, 0.4111, 0.3660



63.2800, 0.3118, 0.4084



63.2800, 0.2232, 0.2803

Rectangle

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



63.2800, 0.3074, 0.2637



63.2800, 0.3858, 0.3142



63.2800, 0.3118, 0.4084



63.2800, 0.2432, 0.3386

Sweetspot

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



63.2827, 0.3074, 0.2637



87.0188, 0.3114, 0.3092



60.3738, 0.2698, 0.2697



18.1356, 0.3111, 0.3054



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.



63.2827, 0.3074, 0.2637



57.0609, 0.3058, 0.2491



64.0543, 0.3311, 0.2844



18.1356, 0.3111, 0.3054



11.1308, 0.2783, 0.1307



1.1231, 0.2835, 0.1335

Inverse Universe

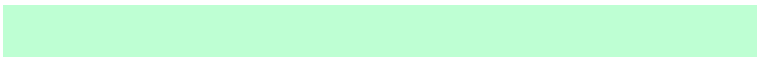
The Inverse Universe completely reimagines the original color for something new.



62.3077, 0.3580, 0.3177



55.9796, 0.3715, 0.3152



87.1436, 0.2982, 0.3782



18.0372, 0.3268, 0.3250



11.2151, 0.6156, 0.3165



1.1053, 0.5874, 0.3010

Previews

White Background



This preview shows how the Yxy color 63.2800, 0.3074, 0.2637 looks on a white background.

Color Contrast Check

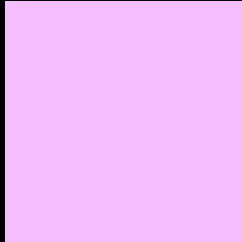
Large Text (above 18pt) WCAG AA × Fail

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 63.2800, 0.3074, 0.2637 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 63.2800, 0.3074, 0.2637

Background



This preview shows how black text looks on a background with the Yxy color 63.2800, 0.3074, 0.2637.



This preview shows how white text looks on a background with the Yxy color 63.2800, 0.3074, 0.2637.

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

63.2800, 0.3074, 0.2637

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.4794, 0.2830, 0.2768



Tritanopia

63.3694, 0.3332, 0.3130

Trichromacy



Original Color

63.2800, 0.3074, 0.2637



Protanomaly

63.2894, 0.2858, 0.2713



Deuteranomaly

63.1543, 0.2912, 0.2718



Tritanomaly

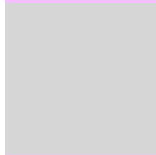
63.1569, 0.3237, 0.2944

Monochromacy



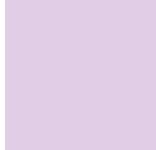
Original Color

63.2800, 0.3074, 0.2637



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.3273, 0.3109, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2800, 0.3074, 0.2637 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(244, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 190, 255)  
}
```

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(244, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 190, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.2800, 0.3074, 0.2637 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(244, 190, 255) }
```

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

```
.border{ border-color:rgb(244, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 190,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2800, 0.3074, 0.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 190, 255) }
```

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

```
.background{ background-color: rgb(244,  
190, 255) }
```

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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