

Converting Colors

Yxy(63.6911, 0.2911, 0.2631)

Have a look what the booklet for
Yxy(63.6911, 0.2911, 0.2631)
contains.

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Color

Yxy(63.4834, 0.2949, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	E3C5FF
RGB	227, 197, 255
RGB Percent	89%, 77%, 100%
CMY	0.1097, 0.2275, 0.0001
CMYK	0.11, 0.23, 0.00, 0.00
HSL	271°, 100%, 89%
HSV	271°, 23%, 100%
XYZ	69.6994, 63.4834, 103.1664
YIQ	212.5820, -0.7380, 24.3980

Conversions

Conversions Part 2

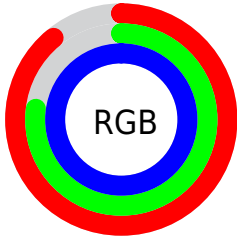
Format	Color
R _Y B	227, 197, 255
Decimal	14927359
CIE Lab	83.70, 21.16, -24.55
CIE LCh	84, 32.409, 310.764
Yxy	63.4834, 0.2949, 0.2686
Android (android.graphics.Color)	4293117439 (0xFFE3C5FF)
YUV	212.5820, 20.9121, 12.6446
Hunter-Lab	79.6765, 16.7144, -20.9962

Details

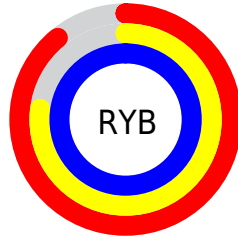
The Yxy color **63.4834, 0.2949, 0.2686** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.5331, 0.3273, 0.3898**, and the grayscale version is **66.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **32.3801, 0.2900, 0.2551** is the 20% darker color. If you saturate the color by 10%, you get **50.9421, 0.2850, 0.2394**, and if you desaturate by 10%, it is **78.1309, 0.3035, 0.2964**.

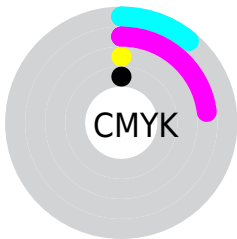
Distribution



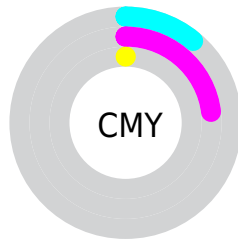
- Red (89%)
- Green (77%)
- Blue (100%)



- Red (89%)
- Yellow (77%)
- Blue (100%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4834, 0.2949, 0.2686 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 63.4834, 0.2949, 0.2686 by changing the saturation by 10% instead.


 63.4834, 0.2949,
0.2686

 63.4834, 0.2949,
0.2686


437.3217, 0.3037,
0.2959

 46.2324, 0.2928,
0.2625


109.8666, 0.2980,
0.2780

 32.4292, 0.2901,
0.2551


139.7676, 0.2992,
0.2816

 21.6896, 0.2866,
0.2459

174.6540, 0.3003,
0.2848

 13.6290, 0.2819,
0.2340

214.9103, 0.3011,
0.2876

 7.8631, 0.2754,
0.2184

260.9208, 0.3019,
0.2901

 4.0075, 0.2655,
0.1969

313.0700, 0.3026,

 1.6777, 0.2494,

0.2922

0.1658

371.7421, 0.3032,
0.2942

0.4092, 0.2244,
0.1012

0.0000, 0.0000,
0.0000

63.4834, 0.2949,
0.2686

63.4834, 0.2949,
0.2686

50.9421, 0.2850,
0.2394

78.1309, 0.3035,
0.2964

40.3976, 0.2739,
0.2095

94.9709, 0.3109,
0.3223

31.7424, 0.2618,
0.1802

99.9985, 0.3127,
0.3290

24.8555, 0.2489,
0.1529

■ 19.6013, 0.2359,
0.1290

■ 15.8233, 0.2233,
0.1099

■ 13.3328, 0.2117,
0.0965

■ 12.1323, 0.2040,
0.0897

Harmonies

Analogous

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



63.4834, 0.2606, 0.2629



63.4834, 0.2949, 0.2686



63.4834, 0.3364, 0.2879

Triad

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



63.4834, 0.2949, 0.2686



63.4834, 0.3893, 0.3805



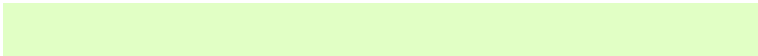
63.4834, 0.2547, 0.3376

Complementary

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



63.4834, 0.2949, 0.2686



91.5331, 0.3273, 0.3898

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.



63.4834, 0.2863, 0.3760



63.4834, 0.2949, 0.2686



63.4834, 0.3644, 0.4000

Square

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



63.4834, 0.2949, 0.2686



63.4834, 0.3930, 0.3500



63.4834, 0.3264, 0.3996



63.4834, 0.2386, 0.2995

Rectangle

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



63.4834, 0.2949, 0.2686



63.4834, 0.3623, 0.3065



63.4834, 0.3264, 0.3996



63.4834, 0.2638, 0.3511

Sweetspot

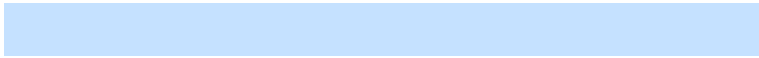
The Sweet Spot groups the original color and five complimentary colors.



63.4861, 0.2949, 0.2686



87.5402, 0.3079, 0.3115



72.9495, 0.2764, 0.2965



18.5184, 0.3075, 0.3100



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.



63.4861, 0.2949, 0.2686



57.9024, 0.2908, 0.2563



68.3427, 0.3161, 0.2731



17.8406, 0.3060, 0.3050



6.4301, 0.2057, 0.0907



0.6911, 0.2177, 0.0973

Inverse Universe

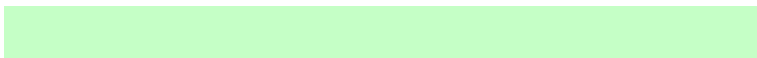
The Inverse Universe completely reimagines the original color for something new.



66.6192, 0.3376, 0.3008



61.5729, 0.3436, 0.2952



87.4500, 0.3092, 0.3920



18.1329, 0.3218, 0.3176



11.8844, 0.5041, 0.2551



1.1791, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 63.4834, 0.2949, 0.2686 looks on a white background.

Color Contrast Check

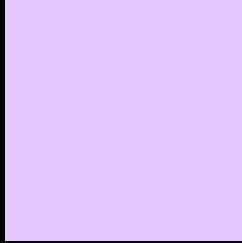
Large Text (above 18pt) WCAG AA × Fail

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 63.4834, 0.2949, 0.2686 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 63.4834, 0.2949, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 63.4834, 0.2949, 0.2686.

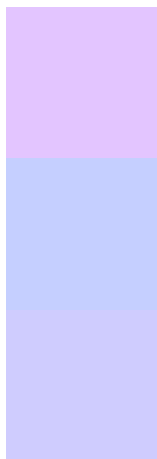


This preview shows how white text looks on a background with the Yxy color 63.4834, 0.2949, 0.2686.

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

63.4834, 0.2949, 0.2686

Protanopia

63.7160, 0.2748, 0.2762

Deuteranopia

63.6069, 0.2818, 0.2748



Tritanopia

63.1985, 0.3151, 0.3113

Trichromacy



Original Color

63.4834, 0.2949, 0.2686

Protanomaly

63.3418, 0.2818, 0.2729

Deuteranomaly

63.2252, 0.2864, 0.2723

Tritanomaly

63.2875, 0.3075, 0.2954

Monochromacy



Original Color

63.4834, 0.2949, 0.2686

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.1325, 0.3064, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4834, 0.2949, 0.2686 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(227, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 197, 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(227, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.4834, 0.2949, 0.2686 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(227, 197, 255) }
```

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

```
.border{ border-color:rgb(227, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 197, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 197, 255); box-shadow:4px 4px 4px 4px rgb(227, 197, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4834, 0.2949, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 197, 255) }
```

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

```
.background{ background-color: rgb(227,  
197, 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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