

Converting Colors

$Yxy(63.9796, 0.2983, 0.2680)$

Have a look what the booklet for
Yxy(63.9796, 0.2983, 0.2680)
contains.

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Color

Yxy(63.8557, 0.2985, 0.2682)

Conversions

Conversions Part 1

Format	Color
Hex	E8C4FF
RGB	232, 196, 255
RGB Percent	91%, 77%, 100%
CMY	0.0901, 0.2314, 0.0001
CMYK	0.09, 0.23, 0.00, 0.00
HSL	277°, 100%, 88%
HSV	277°, 23%, 100%
XYZ	71.0698, 63.8557, 103.1643
YIQ	213.4900, 2.5170, 25.9810

Conversions

Conversions Part 2

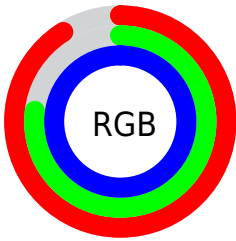
Format	Color
R _Y B	232, 196, 255
Decimal	15254783
CIE Lab	83.89, 23.26, -24.21
CIE LCh	84, 33.573, 313.852
Yxy	63.8557, 0.2985, 0.2682
Android (android.graphics.Color)	4293444863 (0xFFE8C4FF)
YUV	213.4900, 20.4644, 16.2333
Hunter-Lab	79.9098, 18.9115, -20.6072

Details

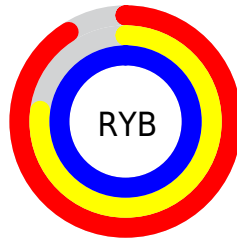
The Yxy color **63.8557, 0.2985, 0.2682** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.5419, 0.3240, 0.3916**, and the grayscale version is **66.7462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **32.6533, 0.2947, 0.2548** is the 20% darker color. If you saturate the color by 10%, you get **51.7023, 0.2906, 0.2398**, and if you desaturate by 10%, it is **78.0628, 0.3053, 0.2956**.

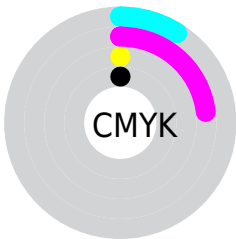
Distribution



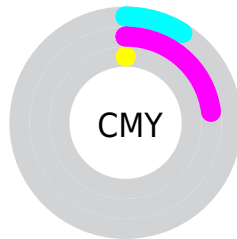
- Red (91%)
- Green (77%)
- Blue (100%)



- Red (91%)
- Yellow (77%)
- Blue (100%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8557, 0.2985, 0.2682 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 63.8557, 0.2985, 0.2682 by changing the saturation by 10% instead.

63.8557, 0.2985,
0.2682

63.8557, 0.2985,
0.2682

438.6684, 0.3056,
0.2956

46.5338, 0.2967,
0.2621

110.4031, 0.3011,
0.2776

32.6673, 0.2945,
0.2547

140.3974, 0.3021,
0.2813

21.8717, 0.2916,
0.2455

175.3846, 0.3029,
0.2845

13.7626, 0.2877,
0.2337

215.7491, 0.3036,
0.2873

7.9558, 0.2821,
0.2181

261.8754, 0.3042,
0.2897

4.0667, 0.2737,
0.1968

314.1477, 0.3047,

1.7109, 0.2597,

0.2919

0.1661

372.9506, 0.3052,
0.2939

0.4307, 0.2378,
0.1040

0.0000, 0.0000,
0.0000

63.8557, 0.2985,
0.2682

63.8557, 0.2985,
0.2682

51.7023, 0.2906,
0.2398

78.0628, 0.3053,
0.2956

41.4942, 0.2817,
0.2111

94.4088, 0.3111,
0.3213

33.1251, 0.2720,
0.1834

99.9983, 0.3127,
0.3290

26.4750, 0.2616,
0.1578

■ 21.4093, 0.2509,
0.1359

■ 17.7723, 0.2403,
0.1185

■ 15.3752, 0.2303,
0.1064

■ 14.2599, 0.2239,
0.1007

Harmonies

Analogous

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



63.8557, 0.2619, 0.2607



63.8557, 0.2985, 0.2682



63.8557, 0.3415, 0.2893

Triad

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



63.8557, 0.2985, 0.2682



63.8557, 0.3901, 0.3849



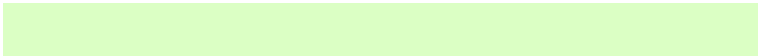
63.8557, 0.2503, 0.3334

Complementary

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



63.8557, 0.2985, 0.2682



90.5419, 0.3240, 0.3916

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.



63.8557, 0.2814, 0.3740



63.8557, 0.2985, 0.2682



63.8557, 0.3624, 0.4035

Square

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



63.8557, 0.2985, 0.2682



63.8557, 0.3965, 0.3540



63.8557, 0.3224, 0.4007



63.8557, 0.2356, 0.2949

Rectangle

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



63.8557, 0.2985, 0.2682



63.8557, 0.3677, 0.3090



63.8557, 0.3224, 0.4007



63.8557, 0.2590, 0.3475

Sweetspot

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



63.8584, 0.2985, 0.2682



87.8414, 0.3090, 0.3116



69.9261, 0.2753, 0.2904



18.5881, 0.3086, 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.



63.8584, 0.2985, 0.2682



57.7002, 0.2948, 0.2544



67.5801, 0.3196, 0.2767



17.9268, 0.3075, 0.3051



7.5416, 0.2254, 0.1015



0.7975, 0.2361, 0.1074

Inverse Universe

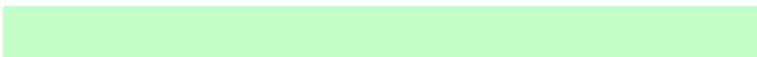
The Inverse Universe completely reimagines the original color for something new.



65.8478, 0.3424, 0.3057



60.0977, 0.3505, 0.3005



87.4988, 0.3064, 0.3876



18.1041, 0.3233, 0.3198



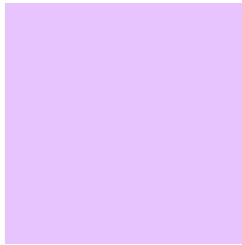
11.6091, 0.5428, 0.2764



1.1510, 0.5123, 0.2596

Previews

White Background



This preview shows how the Yxy color 63.8557, 0.2985, 0.2682 looks on a white background.

Color Contrast Check

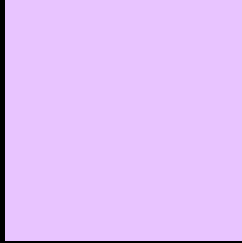
Large Text (above 18pt) WCAG AA × Fail

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 63.8557, 0.2985, 0.2682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

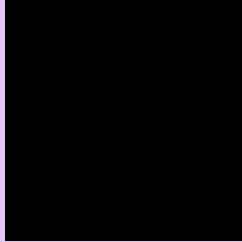
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8557, 0.2985, 0.2682

Background



This preview shows how black text looks on a background with the Yxy color 63.8557, 0.2985, 0.2682.

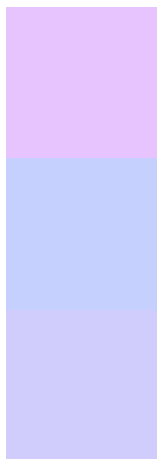


This preview shows how white text looks on a background with the Yxy color 63.8557, 0.2985, 0.2682.

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

63.8557, 0.2985, 0.2682

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

64.1644, 0.2831, 0.2771



Tritanopia

63.9951, 0.3189, 0.3115

Trichromacy



Original Color

63.8557, 0.2985, 0.2682

Protanomaly

64.1074, 0.2832, 0.2742

Deuteranomaly

64.1485, 0.2886, 0.2737

Tritanomaly

63.6287, 0.3113, 0.2947

Monochromacy



Original Color

63.8557, 0.2985, 0.2682

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4427, 0.3079, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8557, 0.2985, 0.2682 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(232, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 196, 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(232, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8557, 0.2985, 0.2682 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(232, 196, 255) }
```

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

```
.border{ border-color:rgb(232, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 196, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 196, 255); box-shadow:4px 4px 4px 4px rgb(232, 196, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8557, 0.2985, 0.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 196, 255) }
```

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

```
.background{ background-color: rgb(232,  
196, 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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