

Converting Colors

$Yxy(63.7013, 0.3172, 0.3001)$

Have a look what the booklet for
Yxy(63.7013, 0.3172, 0.3001)
contains.

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Color

Yxy(63.8435, 0.3171, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	E7C8E3
RGB	231, 200, 227
RGB Percent	91%, 78%, 89%
CMY	0.0943, 0.2156, 0.1098
CMYK	0.00, 0.13, 0.02, 0.09
HSL	308°, 39%, 85%
HSV	308°, 13%, 91%
XYZ	67.4601, 63.8435, 81.4372
YIQ	212.3470, 9.8090, 14.9690

Conversions

Conversions Part 2

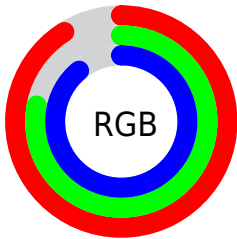
Format	Color
R _Y B	231, 200, 227
Decimal	15190243
CIE Lab	83.88, 15.47, -9.33
CIE LCh	84, 18.066, 328.903
Yxy	63.8435, 0.3171, 0.3001
Android (android.graphics.Color)	4293380323 (0xFFE7C8E3)
YUV	212.3470, 7.2239, 16.3587
Hunter-Lab	79.9021, 10.8760, -4.4976

Details

The Yxy color **63.8435, 0.3171, 0.3001** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.7618, 0.3086, 0.3597**, and the grayscale version is **66.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6503, 0.3175, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **53.7815, 0.3209, 0.2779**, and if you desaturate by 10%, it is **75.5296, 0.3138, 0.3218**.

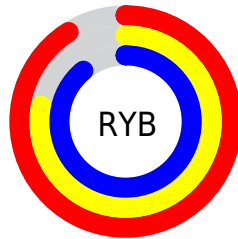
Distribution



Red (91%)

Green (78%)

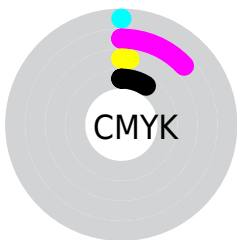
Blue (89%)



Red (91%)

Yellow (78%)

Blue (89%)

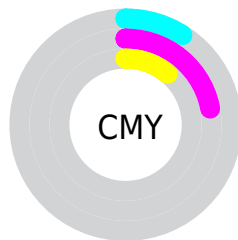


Cyan (0%)

Magenta (13%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (22%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8435, 0.3171, 0.3001 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 63.8435, 0.3171, 0.3001 by changing the saturation by 10% instead.


 63.8435, 0.3171,
0.3001

 63.8435, 0.3171,
0.3001

438.6243, 0.3152,
0.3135

 46.5239, 0.3175,
0.2970


110.3855, 0.3164,
0.3047

 32.6595, 0.3180,
0.2933


140.3768, 0.3162,
0.3065

 21.8657, 0.3186,
0.2885


175.3607, 0.3160,
0.3081

 13.7583, 0.3194,
0.2822

215.7217, 0.3158,
0.3095

 7.9527, 0.3204,
0.2737

261.8441, 0.3156,
0.3106

 4.0647, 0.3217,
0.2614

314.1125, 0.3154,

 1.7098, 0.3234,

0.3117

0.2422

372.9110, 0.3153,
0.3126

0.4300, 0.3353,
0.1833

0.0000, 0.0000,
0.0000

63.8435, 0.3171,
0.3001

63.8435, 0.3171,
0.3001

53.7815, 0.3209,
0.2779

75.5296, 0.3138,
0.3218

45.2630, 0.3251,
0.2558

88.8993, 0.3108,
0.3426

38.2132, 0.3296,
0.2346

94.5465, 0.3088,
0.3483

32.5475, 0.3345,
0.2153

94.7192, 0.3071,
0.3453

■ 28.1730, 0.3395,
0.1990

■ 94.8947, 0.3055,
0.3423

■ 24.9850, 0.3444,
0.1864

■ 95.0731, 0.3038,
0.3393

■ 22.8629, 0.3492,
0.1781

■ 95.2543, 0.3022,
0.3363

■ 21.6603, 0.3537,
0.1744

■ 95.4385, 0.3005,
0.3334

■ 21.2183, 0.3566,
0.1738

■ 95.6255, 0.2989,
0.3304

Harmonies

Analogous

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



63.8435, 0.2946, 0.2918



63.8435, 0.3171, 0.3001



63.8435, 0.3391, 0.3154

Triad

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



63.8435, 0.3171, 0.3001



63.8435, 0.3485, 0.3658



63.8435, 0.2729, 0.3213

Complementary

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



63.8435, 0.3171, 0.3001



73.7618, 0.3086, 0.3597

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.



63.8435, 0.2864, 0.3427



63.8435, 0.3171, 0.3001



63.8435, 0.3299, 0.3691

Square

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



63.8435, 0.3171, 0.3001



63.8435, 0.3576, 0.3528



63.8435, 0.3071, 0.3606



63.8435, 0.2697, 0.3031

Rectangle

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



63.8435, 0.3171, 0.3001



63.8435, 0.3503, 0.3279



63.8435, 0.3071, 0.3606



63.8435, 0.2764, 0.3284

Sweetspot

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



63.8463, 0.3171, 0.3001



93.5803, 0.3140, 0.3205



59.8728, 0.2939, 0.2939



19.7798, 0.3142, 0.3189



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.



63.8463, 0.3171, 0.3001



76.3435, 0.3181, 0.2941



63.0477, 0.3282, 0.3161



14.5819, 0.3157, 0.3087



11.9147, 0.3559, 0.1734



0.8894, 0.3501, 0.1702

Inverse Universe

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



63.8463, 0.3171, 0.3001



76.3435, 0.3181, 0.2941



74.5228, 0.2994, 0.3423



14.5819, 0.3157, 0.3087



11.9147, 0.3559, 0.1734



0.8894, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 63.8435, 0.3171, 0.3001 looks on a white background.

Color Contrast Check

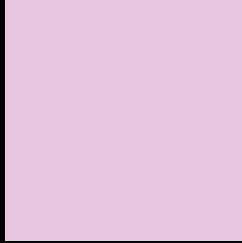
Large Text (above 18pt) WCAG AA × Fail

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 63.8435, 0.3171, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

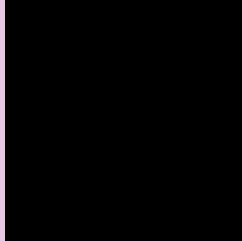
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8435, 0.3171, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 63.8435, 0.3171, 0.3001.



This preview shows how white text looks on a background with the Yxy color 63.8435, 0.3171, 0.3001.

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

63.8435, 0.3171, 0.3001

Protanopia

64.0598, 0.2951, 0.3021

Deuteranopia

63.7325, 0.3109, 0.3038



Tritanopia

64.0738, 0.3235, 0.3128

Trichromacy



Original Color

63.8435, 0.3171, 0.3001

Protanomaly

63.8229, 0.3029, 0.3014

Deuteranomaly

63.7396, 0.3132, 0.3029

Tritanomaly

63.8167, 0.3207, 0.3074

Monochromacy



Original Color

63.8435, 0.3171, 0.3001

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.1816, 0.3147, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8435, 0.3171, 0.3001 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(231, 200, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 227)  
}
```

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(231, 200, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 227) }
```

Border

The CSS property to change the border of an element to Yxy 63.8435, 0.3171, 0.3001 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(231, 200, 227) }
```

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

```
.border{ border-color:rgb(231, 200, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 200, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 200, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 200, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 200,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8435, 0.3171, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 200, 227) }
```

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

```
.background{ background-color: rgb(231,  
200, 227) }
```

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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