

Converting Colors

$Y_{xy}(70.0064, 0.3097, 0.3047)$

Have a look what the booklet for
Yxy(70.0064, 0.3097, 0.3047)
contains.

Yxy(69.9081, 0.3102, 0.3047)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.9081, 0.3102, 0.3047)

Conversions

Conversions Part 1

Format	Color
Hex	E6D4EB
RGB	230, 212, 235
RGB Percent	90%, 83%, 92%
CMY	0.0981, 0.1686, 0.0784
CMYK	0.02, 0.10, 0.00, 0.08
HSL	287°, 37%, 88%
HSV	287°, 10%, 92%
XYZ	71.1700, 69.9081, 88.3545
YIQ	220.0040, 3.3450, 10.9690

Conversions

Conversions Part 2

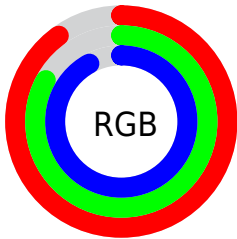
Format	Color
R _Y B	230, 212, 235
Decimal	15127787
CIE Lab	86.95, 10.28, -9.04
CIE LCh	87, 13.690, 318.656
Yxy	69.9081, 0.3102, 0.3047
Android (android.graphics.Color)	4293317867 (0xFFE6D4EB)
YUV	220.0040, 7.3930, 8.7665
Hunter-Lab	83.6111, 5.6204, -4.1259

Details

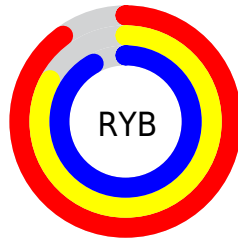
The Yxy color `69.9081, 0.3102, 0.3047` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.9412, 0.3149, 0.3540`, and the grayscale version is `71.5200, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.3673, 0.3094, 0.2988` is the 20% darker color. If you saturate the color by 10%, you get `58.1645, 0.3071, 0.2787`, and if you desaturate by 10%, it is `83.3930, 0.3128, 0.3295`.

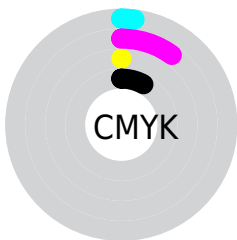
Distribution



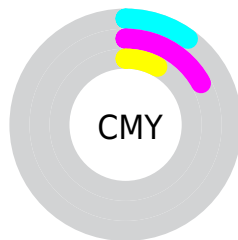
- Red (90%)
- Green (83%)
- Blue (92%)



- Red (90%)
- Yellow (83%)
- Blue (92%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)



- Cyan (10%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9081, 0.3102, 0.3047 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 69.9081, 0.3102, 0.3047 by changing the saturation by 10% instead.

69.9081, 0.3102,
0.3047

69.9081, 0.3102,
0.3047

460.2273, 0.3115,
0.3158

51.4516, 0.3099,
0.3022

119.0777, 0.3107,
0.3085

36.5682, 0.3095,
0.2991

150.5596, 0.3108,
0.3100

24.8733, 0.3090,
0.2952

187.1521, 0.3110,
0.3113

15.9827, 0.3083,
0.2901

229.2396, 0.3111,
0.3125

9.5119, 0.3073,
0.2833

277.2064, 0.3112,
0.3135

5.0766, 0.3057,
0.2735

331.4371, 0.3113,

2.2923, 0.3030,

0.3143

0.2585

392.3159, 0.3114,
0.3151

0.7696, 0.2980,
0.2315

0.0000, 0.0000,
0.0000

69.9081, 0.3102,
0.3047

69.9081, 0.3102,
0.3047

58.1645, 0.3071,
0.2787

83.3930, 0.3128,
0.3295

48.0795, 0.3033,
0.2520

96.0923, 0.3151,
0.3488

39.5769, 0.2990,
0.2254

97.0069, 0.3183,
0.3486

32.5711, 0.2941,
0.2000

97.9471, 0.3216,
0.3485

■ 26.9682, 0.2887,
0.1769

■ 98.7794, 0.3244,
0.3483

■ 22.6637, 0.2829,
0.1570

■ 19.5380, 0.2770,
0.1414

■ 17.4493, 0.2711,
0.1304

■ 16.1615, 0.2653,
0.1236

Harmonies

Analogous

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



69.9081, 0.2945, 0.3008



69.9081, 0.3102, 0.3047



69.9081, 0.3270, 0.3146

Triad

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



69.9081, 0.3102, 0.3047



69.9081, 0.3423, 0.3536



69.9081, 0.2859, 0.3288

Complementary

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



69.9081, 0.3102, 0.3047



78.9412, 0.3149, 0.3540

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.



69.9081, 0.2982, 0.3440



69.9081, 0.3102, 0.3047



69.9081, 0.3307, 0.3585

Square

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



69.9081, 0.3102, 0.3047



69.9081, 0.3458, 0.3424



69.9081, 0.3145, 0.3550



69.9081, 0.2808, 0.3142

Rectangle

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



69.9081, 0.3102, 0.3047



69.9081, 0.3364, 0.3235



69.9081, 0.3145, 0.3550



69.9081, 0.2894, 0.3341

Sweetspot

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



69.9111, 0.3102, 0.3047



94.8996, 0.3120, 0.3217



69.8187, 0.2975, 0.3097



20.0277, 0.3118, 0.3197



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.



69.9111, 0.3102, 0.3047



80.7583, 0.3095, 0.2989



70.4078, 0.3181, 0.3113



15.1378, 0.3103, 0.3055



9.0379, 0.2661, 0.1240



0.7508, 0.2741, 0.1284

Inverse Universe

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



69.7693, 0.3263, 0.3237



80.5616, 0.3299, 0.3224



78.4965, 0.3078, 0.3474



15.1080, 0.3258, 0.3239



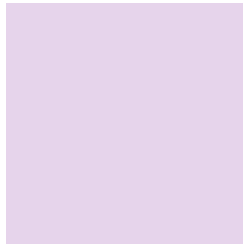
9.9805, 0.6020, 0.3090



0.7977, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 69.9081, 0.3102, 0.3047 looks on a white background.

Color Contrast Check

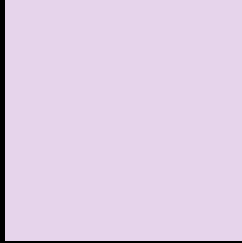
Large Text (above 18pt) WCAG AA × Fail

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 69.9081, 0.3102, 0.3047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

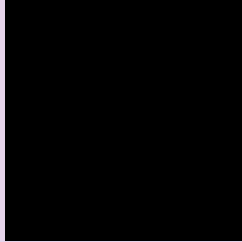
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

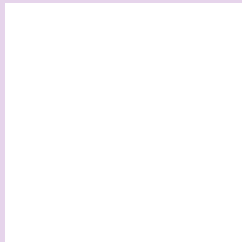
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9081, 0.3102, 0.3047

Background



This preview shows how black text looks on a background with the Yxy color 69.9081, 0.3102, 0.3047.



This preview shows how white text looks on a background with the Yxy color 69.9081, 0.3102, 0.3047.

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

69.9081, 0.3102, 0.3047

Protanopia

69.8837, 0.2983, 0.3052

Deuteranopia

70.0740, 0.3109, 0.3048



Tritanopia

69.9597, 0.3128, 0.3109

Trichromacy



Original Color

69.9081, 0.3102, 0.3047

Protanomaly

70.0875, 0.3024, 0.3054

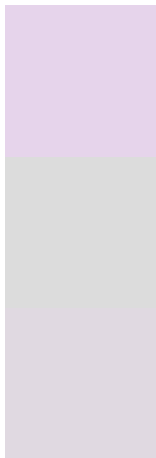
Deuteranomaly

70.0740, 0.3109, 0.3048

Tritanomaly

70.0727, 0.3115, 0.3088

Monochromacy



Original Color

69.9081, 0.3102, 0.3047

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.9092, 0.3124, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9081, 0.3102, 0.3047 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(230, 212, 235)` looks like.

```
.text, #text, p{  
    color:rgb(230, 212, 235)  
}
```

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(230, 212, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 212, 235) }
```

Border

The CSS property to change the border of an element to Yxy 69.9081, 0.3102, 0.3047 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(230, 212, 235) }
```

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

```
.border{ border-color:rgb(230, 212, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 212, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 212, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 212, 235);  
box-shadow:4px 4px 4px 4px rgb(230, 212,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9081, 0.3102, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 212, 235) }
```

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

```
.background{ background-color: rgb(230,  
212, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor