

Converting Colors

$Y_{xy}(47.2700, 0.3117, 0.2581)$

Have a look what the booklet for
Yxy(47.2700, 0.3117, 0.2581)
contains.

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Color

Yxy(47.2700, 0.3117, 0.2581)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DEA3E3 |
| RGB | 222, 163, 227 |
| RGB Percent | 87%, 64%, 89% |
| CMY | 0.1294, 0.3608, 0.1098 |
| CMYK | 0.02, 0.28, 0.00, 0.11 |
| HSL | 295°, 53%, 76% |
| HSV | 295°, 28%, 89% |
| XYZ | 57.0866, 47.2700, 78.7894 |
| YIQ | 187.9370, 14.6200, 32.4120 |

Conversions

Conversions Part 2

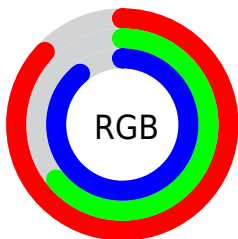
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 222, 163, 227 |
| Decimal | 14590947 |
| CIE Lab | 74.36, 32.37, -23.76 |
| CIE LCh | 74, 40.152, 323.721 |
| Yxy | 47.2700, 0.3117, 0.2581 |
| Android (android.graphics.Color) | 4292781027 (0xFFDEA3E3) |
| YUV | 187.9370, 19.2581, 29.8733 |
| Hunter-Lab | 68.7532, 27.8927, -19.8176 |

Details

The Yxy color **47.2700, 0.3117, 0.2581** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.9096, 0.3122, 0.4097**, and the grayscale version is **50.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **22.1991, 0.3109, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **39.6426, 0.3109, 0.2331**, and if you desaturate by 10%, it is **56.3512, 0.3122, 0.2836**.

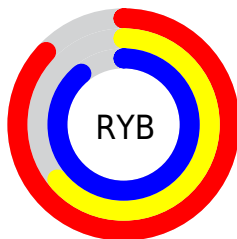
Distribution



Red (87%)

Green (64%)

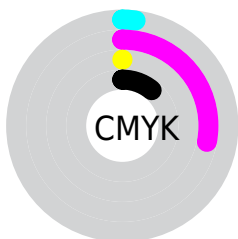
Blue (89%)



Red (87%)

Yellow (64%)

Blue (89%)

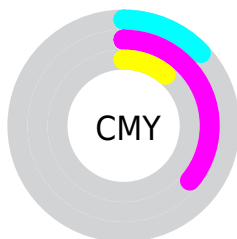


Cyan (2%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (13%)


Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2700, 0.3117, 0.2581 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 47.2700, 0.3117, 0.2581 by changing the saturation by 10% instead.


 47.2700, 0.3117,
0.2581


 47.2700, 0.3117,
0.2581


375.8912, 0.3130,
0.2914

 33.2492, 0.3112,
0.2504


 86.1165, 0.3123,
0.2697

 22.3174, 0.3104,
0.2409


 111.7110, 0.3125,
0.2742

 14.0903, 0.3093,
0.2289


141.9321, 0.3126,
0.2781

 8.1835, 0.3074,
0.2131

177.1642, 0.3128,
0.2814

 4.2126, 0.3041,
0.1918

217.7918, 0.3128,
0.2844

 1.7932, 0.2980,
0.1615

264.1993, 0.3129,

 0.4829, 0.2880,

0.2870

0.1055

316.7709, 0.3129,
0.2893

0.0000, 0.1671,
0.0000

0.0000, 0.0000,
0.0000

47.2700, 0.3117,
0.2581

47.2700, 0.3117,
0.2581

39.6426, 0.3109,
0.2331

56.3512, 0.3122,
0.2836

33.3855, 0.3099,
0.2096

66.9518, 0.3126,
0.3089

28.4160, 0.3086,
0.1887

79.1406, 0.3127,
0.3333

24.6401, 0.3070,
0.1712

92.9806, 0.3127,
0.3564

■ 21.9510, 0.3053,
0.1578

■ 94.0337, 0.3138,
0.3575

■ 20.2228, 0.3034,
0.1489

■ 94.3302, 0.3149,
0.3574

■ 19.2759, 0.3015,
0.1439

■ 94.6296, 0.3160,
0.3573

■ 19.1399, 0.3011,
0.1432

■ 94.9321, 0.3171,
0.3572

■ 95.2376, 0.3182,
0.3571

Harmonies

Analogous

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



47.2700, 0.2600, 0.2422



47.2700, 0.3117, 0.2581



47.2700, 0.3684, 0.2893

Triad

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



47.2700, 0.3117, 0.2581



47.2700, 0.4043, 0.4113



47.2700, 0.2227, 0.3155

Complementary

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



47.2700, 0.3117, 0.2581



65.9096, 0.3122, 0.4097

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.



47.2700, 0.2558, 0.3722



47.2700, 0.3117, 0.2581



47.2700, 0.3604, 0.4305

Square

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



47.2700, 0.3117, 0.2581



47.2700, 0.4241, 0.3736



47.2700, 0.3059, 0.4175



47.2700, 0.2124, 0.2699

Rectangle

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



47.2700, 0.3117, 0.2581



47.2700, 0.3997, 0.3158



47.2700, 0.3059, 0.4175



47.2700, 0.2314, 0.3341

Sweetspot

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



47.2721, 0.3117, 0.2581



87.3668, 0.3126, 0.3093



41.4634, 0.2642, 0.2545



18.2239, 0.3125, 0.3055



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.



47.2721, 0.3117, 0.2581



55.3337, 0.3113, 0.2429



46.7133, 0.3391, 0.2867



14.5549, 0.3125, 0.3058



11.1857, 0.3014, 0.1434



0.8437, 0.3044, 0.1451

Inverse Universe

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



45.3547, 0.3696, 0.3233



52.4743, 0.3870, 0.3221



66.4299, 0.2930, 0.3756



14.3862, 0.3280, 0.3272



9.5558, 0.6313, 0.3251



0.7125, 0.6088, 0.3127

Previews

White Background



This preview shows how the Yxy color 47.2700, 0.3117, 0.2581 looks on a white background.

Color Contrast Check

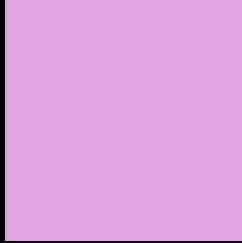
Large Text (above 18pt) WCAG AA × Fail

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 47.2700, 0.3117, 0.2581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

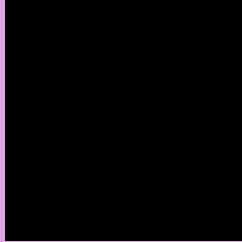
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2700, 0.3117, 0.2581

Background



This preview shows how black text looks on a background with the Yxy color 47.2700, 0.3117, 0.2581.

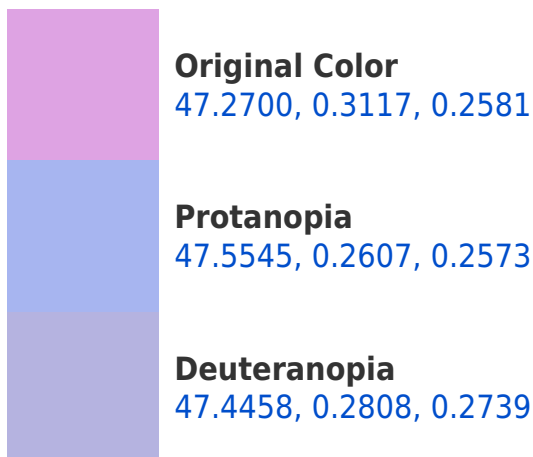


This preview shows how white text looks on a background with the Yxy color 47.2700, 0.3117, 0.2581.

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





Tritanopia

47.1854, 0.3425, 0.3136

Trichromacy



Original Color

47.2700, 0.3117, 0.2581



Protanomaly

46.8351, 0.2775, 0.2567



Deuteranomaly

47.0591, 0.2915, 0.2674



Tritanomaly

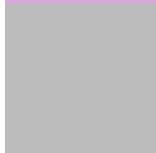
47.0808, 0.3306, 0.2918

Monochromacy



Original Color

47.2700, 0.3117, 0.2581



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.7838, 0.3123, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2700, 0.3117, 0.2581 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(222, 163, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 163, 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(222, 163, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 163, 227) }
```

Border

The CSS property to change the border of an element to Yxy 47.2700, 0.3117, 0.2581 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(222, 163, 227) }
```

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

```
.border{ border-color:rgb(222, 163, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 163, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 163, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 163, 227);  
box-shadow:4px 4px 4px 4px rgb(222, 163,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2700, 0.3117, 0.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 163, 227) }
```

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

```
.background{ background-color: rgb(222,  
163, 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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