

Converting Colors

$Y_{xy}(42.8331, 0.3147, 0.2487)$

Have a look what the booklet for
Yxy(42.8331, 0.3147, 0.2487)
contains.

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Color

Yxy(42.8331, 0.3147, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	DD97DF
RGB	221, 151, 223
RGB Percent	87%, 59%, 87%
CMY	0.1333, 0.4078, 0.1256
CMYK	0.01, 0.32, 0.00, 0.13
HSL	298°, 53%, 73%
HSV	298°, 32%, 87%
XYZ	54.2001, 42.8331, 75.1947
YIQ	180.1380, 18.6080, 37.2320

Conversions

Conversions Part 2

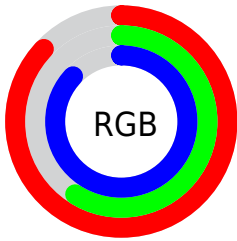
Format	Color
R _Y B	221, 151, 223
Decimal	14522335
CIE Lab	71.44, 37.72, -26.02
CIE LCh	71, 45.828, 325.403
Yxy	42.8331, 0.3147, 0.2487
Android (android.graphics.Color)	4292712415 (0xFFDD97DF)
YUV	180.1380, 21.1310, 35.8360
Hunter-Lab	65.4470, 33.2931, -22.3078

Details

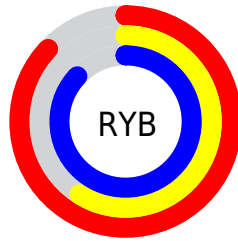
The Yxy color $42.8331, 0.3147, 0.2487$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.7589, 0.3096, 0.4239$, and the grayscale version is $45.5977, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.6226, 0.3150, 0.2811$, and $19.7502, 0.3137, 0.2290$ is the 20% darker color. If you saturate the color by 10%, you get $36.2285, 0.3151, 0.2249$, and if you desaturate by 10%, it is $50.7989, 0.3142, 0.2736$.

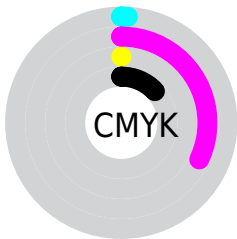
Distribution



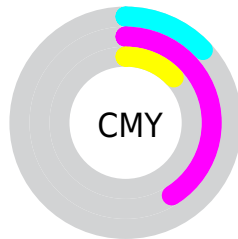
- Red (87%)
- Green (59%)
- Blue (87%)



- Red (87%)
- Yellow (59%)
- Blue (87%)



- Cyan (1%)
- Magenta (32%)
- Yellow (0%)
- Black (13%)





- Cyan (13%)
- Magenta (41%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8331, 0.3147, 0.2487 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 42.8331, 0.3147, 0.2487 by changing the saturation by 10% instead.


 42.8331, 0.3147,
0.2487

 42.8331, 0.3147,
0.2487


357.9249, 0.3147,
0.2866

 29.7542, 0.3144,
0.2399


 79.4589, 0.3149,
0.2620

 19.6521, 0.3139,
0.2290

 103.7747, 0.3150,
0.2671

 12.1424, 0.3130,
0.2152


132.6048, 0.3149,
0.2715

 6.8407, 0.3113,
0.1971

166.3337, 0.3149,
0.2753

 3.3627, 0.3081,
0.1726

205.3457, 0.3149,
0.2787

 1.3239, 0.3014,
0.1382

250.0254, 0.3148,

 0.1596, 0.2993,

0.2816

0.0437

300.7570, 0.3148,
0.2843

0.0000, 0.0252,
0.0000

0.0000, 0.0000,
0.0000

42.8331, 0.3147,
0.2487

42.8331, 0.3147,
0.2487

36.2285, 0.3151,
0.2249

50.7989, 0.3142,
0.2736

30.9026, 0.3154,
0.2032


60.1909, 0.3135,
0.2988

26.7732, 0.3154,
0.1845


71.0767, 0.3129,
0.3235

23.7457, 0.3153,
0.1697


83.5180, 0.3122,
0.3472


 21.7115, 0.3150,
0.1592


 92.6990, 0.3118,
0.3621


 20.5401, 0.3145,
0.1529

 92.7962, 0.3122,
0.3621

 20.0598, 0.3141,
0.1504

 92.8939, 0.3126,
0.3620

 92.9918, 0.3130,
0.3620

 93.0901, 0.3133,
0.3620

Harmonies

Analogous

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



42.8331, 0.2538, 0.2293



42.8331, 0.3147, 0.2487



42.8331, 0.3817, 0.2849

Triad

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



42.8331, 0.3147, 0.2487



42.8331, 0.4169, 0.4260



42.8331, 0.2067, 0.3083

Complementary

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



42.8331, 0.3147, 0.2487



61.7589, 0.3096, 0.4239

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.



42.8331, 0.2429, 0.3765



42.8331, 0.3147, 0.2487



42.8331, 0.3638, 0.4494

Square

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



42.8331, 0.3147, 0.2487



42.8331, 0.4432, 0.3817



42.8331, 0.2999, 0.4330



42.8331, 0.1969, 0.2568

Rectangle

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



42.8331, 0.3147, 0.2487



42.8331, 0.4180, 0.3153



42.8331, 0.2999, 0.4330



42.8331, 0.2159, 0.3302

Sweetspot

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



42.8350, 0.3147, 0.2487



84.6642, 0.3134, 0.3043



34.8232, 0.2556, 0.2371



17.6963, 0.3135, 0.3008



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.



42.8350, 0.3147, 0.2487



51.5959, 0.3150, 0.2318



41.5098, 0.3475, 0.2845



13.9156, 0.3134, 0.3059



11.8080, 0.3142, 0.1504



0.8246, 0.3153, 0.1510

Inverse Universe

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



40.1179, 0.3849, 0.3269



47.3638, 0.4083, 0.3264



62.8204, 0.2884, 0.3785



13.7066, 0.3288, 0.3284



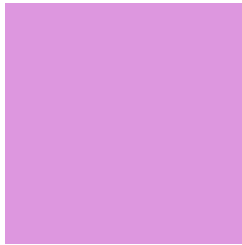
9.2348, 0.6370, 0.3283



0.6423, 0.6282, 0.3234

Previews

White Background



This preview shows how the Yxy color 42.8331, 0.3147, 0.2487 looks on a white background.

Color Contrast Check

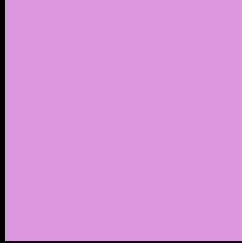
Large Text (above 18pt) WCAG AA × Fail

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 42.8331, 0.3147, 0.2487 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 42.8331, 0.3147, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 42.8331, 0.3147, 0.2487.



This preview shows how white text looks on a background with the Yxy color 42.8331, 0.3147, 0.2487.

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

42.8331, 0.3147, 0.2487

Protanopia

43.1871, 0.2526, 0.2467

Deuteranopia

43.1656, 0.2752, 0.2693



Tritanopia

42.8030, 0.3529, 0.3145

Trichromacy



Original Color

42.8331, 0.3147, 0.2487



Protanomaly

42.4968, 0.2727, 0.2466



Deuteranomaly

42.5370, 0.2892, 0.2607



Tritanomaly

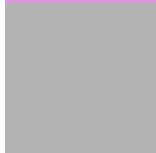
42.6272, 0.3393, 0.2888

Monochromacy



Original Color

42.8331, 0.3147, 0.2487



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

43.9636, 0.3134, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8331, 0.3147, 0.2487 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(221, 151, 223)` looks like.

```
.text, #text, p{  
    color:rgb(221, 151, 223)  
}
```

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(221, 151, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 151, 223) }
```

Border

The CSS property to change the border of an element to Yxy 42.8331, 0.3147, 0.2487 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(221, 151, 223) }
```

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

```
.border{ border-color:rgb(221, 151, 223) }
```

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

Here you see how a box with a 4 pixel rgb(221, 151, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 151, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 151, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 151,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8331, 0.3147, 0.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 151, 223) }
```

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

```
.background{ background-color: rgb(221,  
151, 223) }
```

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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