

Converting Colors

$Y_{xy}(47.1700, 0.33337, 0.2896)$

Have a look what the booklet for
Yxy(47.1700, 0.3337, 0.2896)
contains.

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Color

Yxy(47.0191, 0.3336, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	DEA6C9
RGB	222, 166, 201
RGB Percent	87%, 65%, 79%
CMY	0.1293, 0.3491, 0.2117
CMYK	0.00, 0.25, 0.09, 0.13
HSL	323°, 46%, 76%
HSV	323°, 25%, 87%
XYZ	54.3129, 47.0191, 61.4765
YIQ	186.7340, 22.1410, 22.7570

Conversions

Conversions Part 2

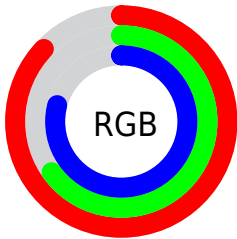
Format	Color
R _Y B	222, 166, 201
Decimal	14591689
CIE Lab	74.20, 26.11, -9.78
CIE LCh	74, 27.885, 339.464
Yxy	47.0191, 0.3336, 0.2888
Android (android.graphics.Color)	4292781769 (0xFFDEA6C9)
YUV	186.7340, 7.0331, 30.9283
Hunter-Lab	68.5705, 21.3870, -5.1568

Details

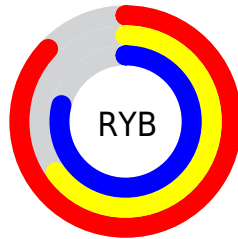
The Yxy color $47.0191, 0.3336, 0.2888$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.9585, 0.2964, 0.3730$, and the grayscale version is $49.4892, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $22.2482, 0.3388, 0.2790$ is the 20% darker color. If you saturate the color by 10%, you get $39.2528, 0.3446, 0.2723$, and if you desaturate by 10%, it is $56.2045, 0.3242, 0.3052$.

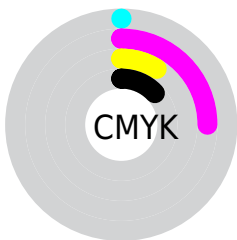
Distribution



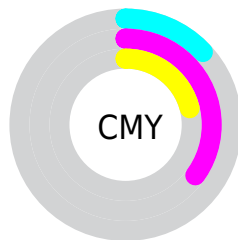
- Red (87%)
- Green (65%)
- Blue (79%)



- Red (87%)
- Yellow (65%)
- Blue (79%)



- Cyan (0%)
- Magenta (25%)
- Yellow (9%)
- Black (13%)





- Cyan (13%)
- Magenta (35%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0191, 0.3336, 0.2888 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 47.0191, 0.3336, 0.2888 by changing the saturation by 10% instead.


 47.0191, 0.3336,
0.2888

 47.0191, 0.3336,
0.2888


374.8908, 0.3235,
0.3082

 33.0508, 0.3360,
0.2842


 85.7421, 0.3300,
0.2957

 22.1653, 0.3391,
0.2783


 111.2656, 0.3286,
0.2983

 13.9784, 0.3431,
0.2707


141.4096, 0.3275,
0.3006

 8.1057, 0.3485,
0.2605

176.5585, 0.3264,
0.3025

 4.1626, 0.3562,
0.2459

217.0966, 0.3256,
0.3042

 1.7650, 0.3680,
0.2237

263.4085, 0.3248,

 0.4652, 0.3972,

0.3057

0.1676

315.8784, 0.3241,
0.3070

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.0191, 0.3336,
0.2888

47.0191, 0.3336,
0.2888

39.2528, 0.3446,
0.2723

56.2045, 0.3242,
0.3052

32.8272, 0.3572,
0.2564

66.8693, 0.3163,
0.3210

27.6661, 0.3715,
0.2420

79.0783, 0.3097,
0.3360

23.6831, 0.3872,
0.2302

92.8903, 0.3042,
0.3500

■ 20.7808, 0.4039,
0.2221

■ 93.5069, 0.2996,
0.3415

■ 18.8458, 0.4211,
0.2188

■ 94.0208, 0.2951,
0.3330

■ 17.7393, 0.4379,
0.2207

■ 94.2761, 0.2929,
0.3289

■ 17.3923, 0.4458,
0.2229

Harmonies

Analogous

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



47.0191, 0.2942, 0.2708



47.0191, 0.3336, 0.2888



47.0191, 0.3690, 0.3162

Triad

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



47.0191, 0.3336, 0.2888



47.0191, 0.3633, 0.3961



47.0191, 0.2423, 0.3025

Complementary

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



47.0191, 0.3336, 0.2888



63.9585, 0.2964, 0.3730

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.



47.0191, 0.2585, 0.3389



47.0191, 0.3336, 0.2888



47.0191, 0.3276, 0.3964

Square

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



47.0191, 0.3336, 0.2888



47.0191, 0.3862, 0.3772



47.0191, 0.2892, 0.3749



47.0191, 0.2436, 0.2766

Rectangle

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



47.0191, 0.3336, 0.2888



47.0191, 0.3844, 0.3372



47.0191, 0.2892, 0.3749



47.0191, 0.2458, 0.3138

Sweetspot

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



47.0212, 0.3336, 0.2888



87.1846, 0.3184, 0.3166



43.0506, 0.2857, 0.2606



18.1780, 0.3196, 0.3143



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.



47.0212, 0.3336, 0.2888



58.8074, 0.3389, 0.2806



45.8387, 0.3589, 0.3203



13.8439, 0.3195, 0.3145



10.3486, 0.4434, 0.2216



0.7345, 0.4196, 0.2085

Inverse Universe

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



47.0212, 0.3336, 0.2888



58.8074, 0.3389, 0.2806



65.2540, 0.2800, 0.3380



13.8439, 0.3195, 0.3145



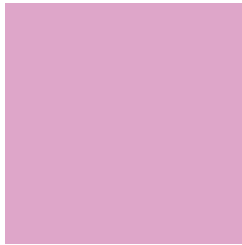
10.3486, 0.4434, 0.2216



0.7345, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 47.0191, 0.3336, 0.2888 looks on a white background.

Color Contrast Check

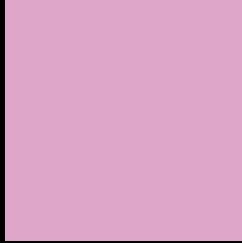
Large Text (above 18pt) WCAG AA × Fail

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 47.0191, 0.3336, 0.2888 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 47.0191, 0.3336, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 47.0191, 0.3336, 0.2888.



This preview shows how white text looks on a background with the Yxy color 47.0191, 0.3336, 0.2888.

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

47.0191, 0.3336, 0.2888

Protanopia

47.2159, 0.2877, 0.2912

Deuteranopia

47.3018, 0.3088, 0.3029



Tritanopia

46.9690, 0.3484, 0.3138

Trichromacy



Original Color

47.0191, 0.3336, 0.2888

Protanomaly

47.0250, 0.3035, 0.2910

Deuteranomaly

47.2796, 0.3177, 0.2976

Tritanomaly

47.0515, 0.3431, 0.3046

Monochromacy



Original Color

47.0191, 0.3336, 0.2888

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.3253, 0.3204, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0191, 0.3336, 0.2888 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, 166, 201)` looks like.

```
.text, #text, p{  
    color:rgb(222, 166, 201)  
}
```

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, 166, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 166, 201) }
```

Border

The CSS property to change the border of an element to Yxy 47.0191, 0.3336, 0.2888 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, 166, 201) }
```

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

```
.border{ border-color:rgb(222, 166, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 166, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 166, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 166, 201);  
box-shadow:4px 4px 4px 4px rgb(222, 166,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0191, 0.3336, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 166, 201) }
```

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

```
.background{ background-color: rgb(222,  
166, 201) }
```

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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