

Converting Colors

$Y_{xy}(42.2559, 0.3437, 0.2870)$

Have a look what the booklet for
Yxy(42.2559, 0.3437, 0.2870)
contains.

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Color

Yxy(42.0446, 0.3436, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	DC9ABE
RGB	220, 154, 190
RGB Percent	86%, 60%, 75%
CMY	0.1372, 0.3961, 0.2548
CMYK	0.00, 0.30, 0.14, 0.14
HSL	327°, 49%, 73%
HSV	327°, 30%, 86%
XYZ	50.3714, 42.0446, 54.1830
YIQ	177.8380, 27.7800, 25.1880

Conversions

Conversions Part 2

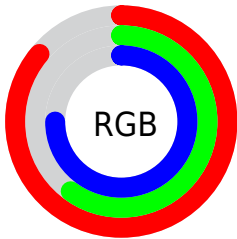
Format	Color
R _Y B	220, 154, 190
Decimal	14457534
CIE Lab	70.90, 30.05, -8.66
CIE LCh	71, 31.271, 343.926
Yxy	42.0446, 0.3436, 0.2868
Android (android.graphics.Color)	4292647614 (0xFFDC9ABE)
YUV	177.8380, 5.9959, 36.9761
Hunter-Lab	64.8418, 25.1920, -4.1545

Details

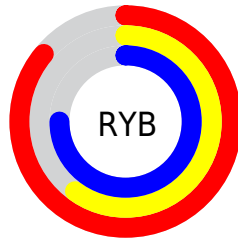
The Yxy color $42.0446, 0.3436, 0.2868$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.5292, 0.2904, 0.3756$, and the grayscale version is $44.3892, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5147, 0.3210, 0.2925$, and $19.2014, 0.3518, 0.2749$ is the 20% darker color. If you saturate the color by 10%, you get $35.0152, 0.3579, 0.2724$, and if you desaturate by 10%, it is $50.4389, 0.3314, 0.3014$.

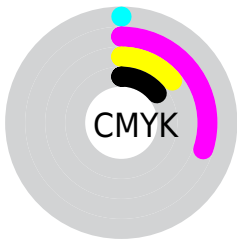
Distribution



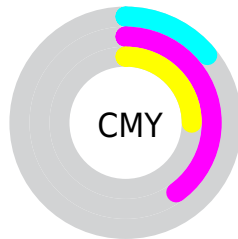
- Red (86%)
- Green (60%)
- Blue (75%)



- Red (86%)
- Yellow (60%)
- Blue (75%)



- Cyan (0%)
- Magenta (30%)
- Yellow (14%)
- Black (14%)





- Cyan (14%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0446, 0.3436, 0.2868 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 42.0446, 0.3436, 0.2868 by changing the saturation by 10% instead.


 42.0446, 0.3436,
0.2868

 42.0446, 0.3436,
0.2868


354.6678, 0.3283,
0.3075

 29.1362, 0.3474,
0.2817


 78.2671, 0.3380,
0.2943

 19.1839, 0.3523,
0.2753


 102.3500, 0.3360,
0.2971

 11.8032, 0.3587,
0.2668


130.9266, 0.3342,
0.2995

 6.6098, 0.3677,
0.2552

164.3812, 0.3327,
0.3015

 3.2193, 0.3809,
0.2384

203.0982, 0.3313,
0.3033

 1.2473, 0.4023,
0.2120

247.4621, 0.3302,

 0.0998, 0.5044,

0.3049

0.0608

297.8571, 0.3292,
0.3063

0.0000, 0.0000,
0.0000

42.0446, 0.3436,
0.2868

42.0446, 0.3436,
0.2868

35.0152, 0.3579,
0.2724

50.4389, 0.3314,
0.3014

29.2715, 0.3745,
0.2589

60.2603, 0.3212,
0.3155

24.7350, 0.3934,
0.2472


71.5738, 0.3127,
0.3290

21.3163, 0.4140,
0.2387


84.4390, 0.3057,
0.3416


18.9132, 0.4357,
0.2344

93.0314, 0.2998,
0.3443

 17.4045, 0.4576,
0.2354

 93.6423, 0.2944,
0.3340

 16.5761, 0.4789,
0.2412

 93.9594, 0.2917,
0.3289

Harmonies

Analogous

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



42.0446, 0.2975, 0.2644



42.0446, 0.3436, 0.2868



42.0446, 0.3832, 0.3191

Triad

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



42.0446, 0.3436, 0.2868



42.0446, 0.3656, 0.4088



42.0446, 0.2306, 0.2922

Complementary

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



42.0446, 0.3436, 0.2868



61.5292, 0.2904, 0.3756

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.



42.0446, 0.2460, 0.3335



42.0446, 0.3436, 0.2868



42.0446, 0.3227, 0.4061

Square

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



42.0446, 0.3436, 0.2868



42.0446, 0.3954, 0.3885



42.0446, 0.2791, 0.3773



42.0446, 0.2350, 0.2652

Rectangle

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



42.0446, 0.3436, 0.2868



42.0446, 0.3989, 0.3433



42.0446, 0.2791, 0.3773



42.0446, 0.2335, 0.3047

Sweetspot

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



42.0465, 0.3436, 0.2868



85.5677, 0.3204, 0.3168



38.4316, 0.2842, 0.2473



17.8506, 0.3217, 0.3148



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.



42.0465, 0.3436, 0.2868



52.3437, 0.3524, 0.2777



40.7726, 0.3764, 0.3252



13.1698, 0.3207, 0.3163



9.7487, 0.4758, 0.2395



0.6489, 0.4437, 0.2218

Inverse Universe

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



42.0465, 0.3436, 0.2868



52.3437, 0.3524, 0.2777



63.0637, 0.2715, 0.3330



13.1698, 0.3207, 0.3163



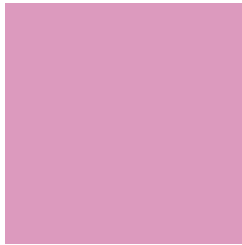
9.7487, 0.4758, 0.2395



0.6489, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 42.0446, 0.3436, 0.2868 looks on a white background.

Color Contrast Check

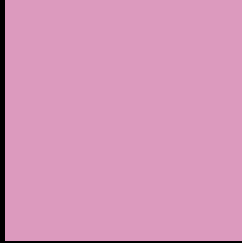
Large Text (above 18pt) WCAG AA × Fail

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 42.0446, 0.3436, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

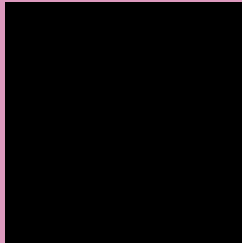
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0446, 0.3436, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 42.0446, 0.3436, 0.2868.



This preview shows how white text looks on a background with the Yxy color 42.0446, 0.3436, 0.2868.

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

42.0446, 0.3436, 0.2868

Protanopia

42.0941, 0.2857, 0.2894

Deuteranopia

42.2781, 0.3120, 0.3056



Tritanopia

42.2614, 0.3604, 0.3147

Trichromacy



Original Color

42.0446, 0.3436, 0.2868

Protanomaly

41.5523, 0.3048, 0.2869

Deuteranomaly

42.1875, 0.3234, 0.2989

Tritanomaly

42.3483, 0.3547, 0.3053

Monochromacy



Original Color

42.0446, 0.3436, 0.2868

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.0908, 0.3235, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0446, 0.3436, 0.2868 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(220, 154, 190)` looks like.

```
.text, #text, p{  
    color:rgb(220, 154, 190)  
}
```

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(220, 154, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 154, 190) }
```

Border

The CSS property to change the border of an element to Yxy 42.0446, 0.3436, 0.2868 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(220, 154, 190) }
```

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

```
.border{ border-color:rgb(220, 154, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 154, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 154, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 154, 190);  
box-shadow:4px 4px 4px 4px rgb(220, 154,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0446, 0.3436, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 154, 190) }
```

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

```
.background{ background-color: rgb(220,  
154, 190) }
```

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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