

Converting Colors

$Y_{xy}(42.2100, 0.3299, 0.2701)$

Have a look what the booklet for
Yxy(42.2100, 0.3299, 0.2701)
contains.

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Color

Yxy(42.2022, 0.3296, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	DB99CC
RGB	219, 153, 204
RGB Percent	86%, 60%, 80%
CMY	0.1412, 0.3999, 0.2001
CMYK	0.00, 0.30, 0.07, 0.14
HSL	314°, 48%, 73%
HSV	314°, 30%, 86%
XYZ	51.4989, 42.2022, 62.5455
YIQ	178.5480, 22.9650, 29.8530

Conversions

Conversions Part 2

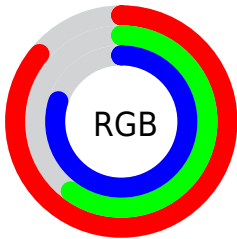
Format	Color
R _{YB}	219, 153, 204
Decimal	14391756
CIE _{Lab}	71.01, 32.58, -16.24
CIE _{LCh}	71, 36.400, 333.507
Yxy	42.2022, 0.3296, 0.2701
Android (android.graphics.Color)	4292581836 (0xFFDB99CC)
YUV	178.5480, 12.5478, 35.4764
Hunter-Lab	64.9632, 27.8183, -11.6092

Details

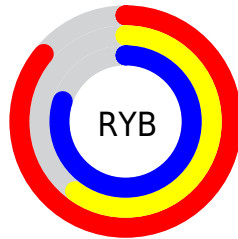
The Yxy color $42.2022, 0.3296, 0.2701$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $60.2585, 0.2994, 0.3962$, and the grayscale version is $44.7501, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $19.2959, 0.3333, 0.2545$ is the 20% darker color. If you saturate the color by 10%, you get $35.4454, 0.3369, 0.2506$, and if you desaturate by 10%, it is $50.2859, 0.3232, 0.2901$.

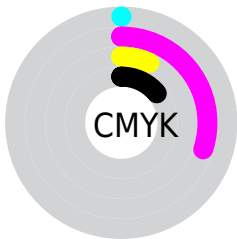
Distribution



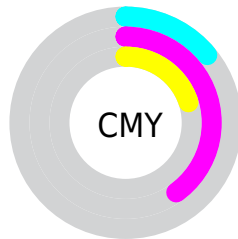
- Red (86%)
- Green (60%)
- Blue (80%)



- Red (86%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (14%)





- Cyan (14%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2022, 0.3296, 0.2701 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 42.2022, 0.3296, 0.2701 by changing the saturation by 10% instead.


 42.2022, 0.3296,
0.2701

 42.2022, 0.3296,
0.2701


355.3204, 0.3217,
0.2985

 29.2597, 0.3314,
0.2633


 78.5056, 0.3268,
0.2802

 19.2773, 0.3337,
0.2548


 102.6352, 0.3258,
0.2841

 11.8708, 0.3365,
0.2437


131.2626, 0.3249,
0.2874

 6.6558, 0.3402,
0.2289

164.7722, 0.3241,
0.2902

 3.2478, 0.3451,
0.2079

203.5483, 0.3233,
0.2927

 1.2624, 0.3518,
0.1766

247.9755, 0.3227,

 0.1118, 0.3922,

0.2949

0.0486

298.4381, 0.3222,
0.2968

0.0000, 0.0000,
0.0000

42.2022, 0.3296,
0.2701

42.2022, 0.3296,
0.2701

35.4454, 0.3369,
0.2506

50.2859, 0.3232,
0.2901

29.9376, 0.3449,
0.2323

59.7575, 0.3176,
0.3098

25.6019, 0.3535,
0.2163

70.6810, 0.3128,
0.3288


22.3501, 0.3626,
0.2037


83.1147, 0.3087,
0.3467

20.0817, 0.3717,
0.1952

92.2291, 0.3054,
0.3561

 18.6772, 0.3807,
0.1915

 92.5112, 0.3026,
0.3508

 17.9293, 0.3892,
0.1918

 92.8014, 0.2999,
0.3456

 93.0997, 0.2971,
0.3404

 93.4061, 0.2944,
0.3352

Harmonies

Analogous

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



42.2022, 0.2776, 0.2498



42.2022, 0.3296, 0.2701



42.2022, 0.3806, 0.3035

Triad

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



42.2022, 0.3296, 0.2701



42.2022, 0.3878, 0.4154



42.2022, 0.2219, 0.3007

Complementary

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



42.2022, 0.3296, 0.2701



60.2585, 0.2994, 0.3962

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.



42.2022, 0.2467, 0.3523



42.2022, 0.3296, 0.2701



42.2022, 0.3416, 0.4240

Square

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



42.2022, 0.3296, 0.2701



42.2022, 0.4149, 0.3844



42.2022, 0.2900, 0.4007



42.2022, 0.2193, 0.2635

Rectangle

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



42.2022, 0.3296, 0.2701



42.2022, 0.4051, 0.3301



42.2022, 0.2900, 0.4007



42.2022, 0.2278, 0.3169

Sweetspot

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



42.2041, 0.3296, 0.2701



85.8897, 0.3170, 0.3118



36.1502, 0.2711, 0.2439



17.9301, 0.3178, 0.3090



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.



42.2041, 0.3296, 0.2701



53.4727, 0.3340, 0.2579



40.8127, 0.3609, 0.3067



13.2215, 0.3172, 0.3111



10.6499, 0.3880, 0.1911



0.7026, 0.3749, 0.1839

Inverse Universe

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



42.2041, 0.3296, 0.2701



53.4727, 0.3340, 0.2579



61.6144, 0.2801, 0.3527



13.2215, 0.3172, 0.3111



10.6499, 0.3880, 0.1911



0.7026, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 42.2022, 0.3296, 0.2701 looks on a white background.

Color Contrast Check

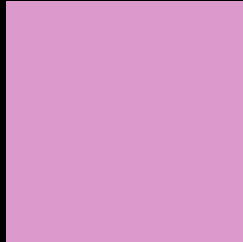
Large Text (above 18pt) WCAG AA × Fail

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 42.2022, 0.3296, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

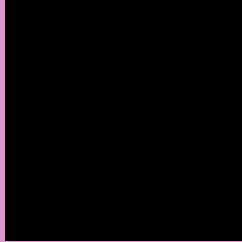
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2022, 0.3296, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 42.2022, 0.3296, 0.2701.



This preview shows how white text looks on a background with the Yxy color 42.2022, 0.3296, 0.2701.

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

42.2022, 0.3296, 0.2701

Protanopia

42.3013, 0.2712, 0.2707

Deuteranopia

42.4315, 0.2947, 0.2889



Tritanopia

42.1836, 0.3562, 0.3145

Trichromacy



Original Color

42.2022, 0.3296, 0.2701



Protanomaly

41.7310, 0.2903, 0.2700



Deuteranomaly

42.1526, 0.3069, 0.2816



Tritanomaly

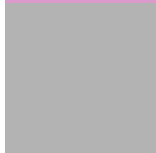
42.1318, 0.3460, 0.2979

Monochromacy



Original Color

42.2022, 0.3296, 0.2701



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.8496, 0.3192, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2022, 0.3296, 0.2701 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(219, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 153, 204)  
}
```

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(219, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 153, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.2022, 0.3296, 0.2701 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(219, 153, 204) }
```

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

```
.border{ border-color:rgb(219, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 153,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2022, 0.3296, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 153, 204) }
```

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

```
.background{ background-color: rgb(219,  
153, 204) }
```

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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