

Converting Colors

$Y_{xy}(42.7725, 0.3304, 0.2685)$

Have a look what the booklet for
Yxy(42.7725, 0.3304, 0.2685)
contains.

Yxy(42.7683, 0.3306, 0.2685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7683, 0.3306, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	DE99CE
RGB	222, 153, 206
RGB Percent	87%, 60%, 81%
CMY	0.1293, 0.4000, 0.1922
CMYK	0.00, 0.31, 0.07, 0.13
HSL	314°, 51%, 74%
HSV	314°, 31%, 87%
XYZ	52.6600, 42.7683, 63.8578
YIQ	179.6730, 24.1110, 31.1110

Conversions

Conversions Part 2

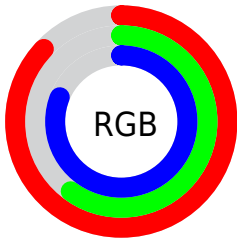
Format	Color
R _Y B	222, 153, 206
Decimal	14588366
CIE Lab	71.40, 33.95, -16.72
CIE LCh	71, 37.845, 333.773
Yxy	42.7683, 0.3306, 0.2685
Android (android.graphics.Color)	4292778446 (0xFFDE99CE)
YUV	179.6730, 12.9792, 37.1208
Hunter-Lab	65.3975, 29.2878, -12.1159

Details

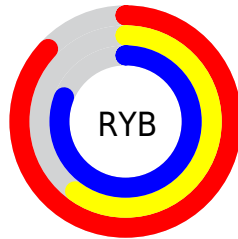
The Yxy color **42.7683, 0.3306, 0.2685** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.8956, 0.2988, 0.3983**, and the grayscale version is **45.3781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **19.6814, 0.3345, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **35.9194, 0.3381, 0.2491**, and if you desaturate by 10%, it is **50.9814, 0.3240, 0.2884**.

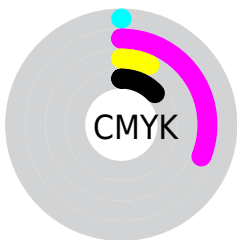
Distribution



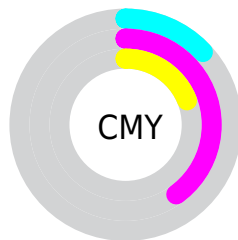
- Red (87%)
- Green (60%)
- Blue (81%)



- Red (87%)
- Yellow (60%)
- Blue (81%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (13%)





- Cyan (13%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7683, 0.3306, 0.2685 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 42.7683, 0.3306, 0.2685 by changing the saturation by 10% instead.


 42.7683, 0.3306,
0.2685

 42.7683, 0.3306,
0.2685


357.6580, 0.3222,
0.2976

 29.7034, 0.3325,
0.2616


 79.3611, 0.3277,
0.2788

 19.6135, 0.3349,
0.2529


 103.6578, 0.3266,
0.2828

 12.1144, 0.3379,
0.2417


132.4671, 0.3256,
0.2861

 6.8217, 0.3417,
0.2267

166.1735, 0.3247,
0.2891

 3.3508, 0.3469,
0.2057

205.1614, 0.3240,
0.2916

 1.3175, 0.3539,
0.1745

249.8152, 0.3233,

 0.1547, 0.3892,

0.2938

0.0613

300.5193, 0.3228,
0.2958

0.0000, 0.0000,
0.0000

42.7683, 0.3306,
0.2685

42.7683, 0.3306,
0.2685

35.9194, 0.3381,
0.2491

50.9814, 0.3240,
0.2884

30.3538, 0.3464,
0.2312

60.6225, 0.3182,
0.3080

25.9909, 0.3553,
0.2155


71.7581, 0.3132,
0.3270


22.7384, 0.3646,
0.2033


84.4488, 0.3090,
0.3450

20.4908, 0.3740,
0.1954

92.8682, 0.3056,
0.3529


 19.1220, 0.3832,
0.1922

 93.1656, 0.3027,
0.3475

 18.4518, 0.3911,
0.1928

 93.4716, 0.2999,
0.3421

 93.7864, 0.2971,
0.3368

 94.1100, 0.2943,
0.3315

Harmonies

Analogous

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



42.7683, 0.2768, 0.2474



42.7683, 0.3306, 0.2685



42.7683, 0.3834, 0.3029

Triad

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



42.7683, 0.3306, 0.2685



42.7683, 0.3899, 0.4184



42.7683, 0.2189, 0.2991

Complementary

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



42.7683, 0.3306, 0.2685



61.8956, 0.2988, 0.3983

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.



42.7683, 0.2441, 0.3526



42.7683, 0.3306, 0.2685



42.7683, 0.3420, 0.4275

Square

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



42.7683, 0.3306, 0.2685



42.7683, 0.4182, 0.3862



42.7683, 0.2886, 0.4031



42.7683, 0.2164, 0.2609

Rectangle

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



42.7683, 0.3306, 0.2685



42.7683, 0.4087, 0.3303



42.7683, 0.2886, 0.4031



42.7683, 0.2248, 0.3159

Sweetspot

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



42.7702, 0.3306, 0.2685



85.8825, 0.3171, 0.3119



36.3761, 0.2695, 0.2407



17.9283, 0.3179, 0.3091



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.



42.7702, 0.3306, 0.2685



52.5144, 0.3351, 0.2564



41.3150, 0.3630, 0.3059



13.8783, 0.3173, 0.3112



10.9747, 0.3898, 0.1921



0.7741, 0.3770, 0.1851

Inverse Universe

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



42.7702, 0.3306, 0.2685



52.5144, 0.3351, 0.2564



63.3159, 0.2791, 0.3536



13.8783, 0.3173, 0.3112



10.9747, 0.3898, 0.1921



0.7741, 0.3770, 0.1851

Previews

White Background



This preview shows how the Yxy color 42.7683, 0.3306, 0.2685 looks on a white background.

Color Contrast Check

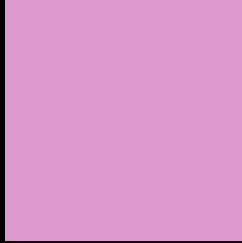
Large Text (above 18pt) WCAG AA × Fail

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 42.7683, 0.3306, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

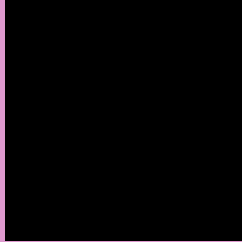
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7683, 0.3306, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 42.7683, 0.3306, 0.2685.



This preview shows how white text looks on a background with the Yxy color 42.7683, 0.3306, 0.2685.

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

42.7683, 0.3306, 0.2685

Protanopia

42.9470, 0.2701, 0.2687

Deuteranopia

43.0213, 0.2940, 0.2879



Tritanopia

42.6803, 0.3582, 0.3135

Trichromacy



Original Color

42.7683, 0.3306, 0.2685



Protanomaly

42.4930, 0.2897, 0.2681



Deuteranomaly

42.5127, 0.3070, 0.2796



Tritanomaly

42.6347, 0.3479, 0.2971

Monochromacy



Original Color

42.7683, 0.3306, 0.2685



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

44.0257, 0.3192, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7683, 0.3306, 0.2685 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, 153, 206)` looks like.

```
.text, #text, p{  
    color:rgb(222, 153, 206)  
}
```

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, 153, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 153, 206) }
```

Border

The CSS property to change the border of an element to Yxy 42.7683, 0.3306, 0.2685 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, 153, 206) }
```

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

```
.border{ border-color:rgb(222, 153, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 153, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(222, 153,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7683, 0.3306, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 153, 206) }
```

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

```
.background{ background-color: rgb(222,  
153, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor