

Converting Colors

$Y_{xy}(32.9856, 0.3650, 0.2793)$

Have a look what the booklet for
Yxy(32.9856, 0.3650, 0.2793)
contains.

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Color

Yxy(33.0499, 0.3645, 0.2793)

Conversions

Conversions Part 1

Format	Color
Hex	D781AA
RGB	215, 129, 170
RGB Percent	84%, 51%, 67%
CMY	0.1569, 0.4941, 0.3332
CMYK	0.00, 0.40, 0.21, 0.16
HSL	331°, 52%, 67%
HSV	331°, 40%, 84%
XYZ	43.1317, 33.0499, 42.1496
YIQ	159.3880, 38.0950, 30.9830

Conversions

Conversions Part 2

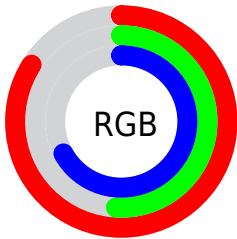
Format	Color
RYB	215, 129, 170
Decimal	14123434
CIELab	64.20, 38.53, -7.48
CIElCh	64, 39.253, 349.010
Yxy	33.0499, 0.3645, 0.2793
Android (android.graphics.Color)	4292313514 (0xFFD781AA)
YUV	159.3880, 5.2317, 48.7717
Hunter-Lab	57.4890, 33.3155, -3.2277

Details

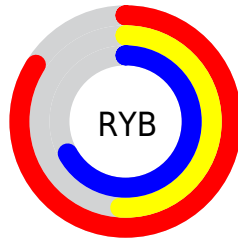
The Yxy color **33.0499, 0.3645, 0.2793** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **56.3220, 0.2807, 0.3856**, and the grayscale version is **34.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5632, 0.3394, 0.2864**, and **13.8849, 0.3802, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **27.5632, 0.3839, 0.2674**, and if you desaturate by 10%, it is **39.7677, 0.3479, 0.2920**.

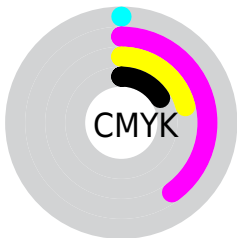
Distribution



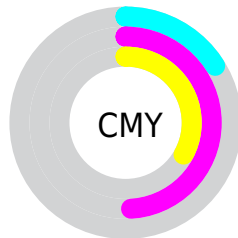
- Red (84%)
- Green (51%)
- Blue (67%)



- Red (84%)
- Yellow (51%)
- Blue (67%)



- Cyan (0%)
- Magenta (40%)
- Yellow (21%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0499, 0.3645, 0.2793 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 33.0499, 0.3645, 0.2793 by changing the saturation by 10% instead.


 33.0499, 0.3645,
0.2793


 33.0499, 0.3645,
0.2793


315.8745, 0.3376,
0.3046

 22.1647, 0.3715,
0.2728


 64.4534, 0.3545,
0.2886

 13.9780, 0.3808,
0.2644


 85.7405, 0.3508,
0.2921

 8.1053, 0.3934,
0.2531


 111.2637, 0.3477,
0.2950

 4.1624, 0.4117,
0.2371

141.4073, 0.3451,
0.2975

 1.7648, 0.4404,
0.2129

176.5558, 0.3428,
0.2996

 0.4651, 0.5018,
0.1549

217.0936, 0.3409,


 0.0000, 1.0000,


0.3015


0.0000

263.4050, 0.3391,
0.3032

 0.0000, 0.0000,
0.0000


 33.0499, 0.3645,
0.2793


 33.0499, 0.3645,
0.2793


 27.5632, 0.3839,
0.2674


 39.7677, 0.3479,
0.2920


 23.2265, 0.4061,
0.2573


 47.7815, 0.3339,
0.3048


 19.9567, 0.4307,
0.2502


 57.1573, 0.3223,
0.3172


 17.6569, 0.4567,
0.2474

 67.9552, 0.3127,
0.3290

 16.2124, 0.4828,
0.2499

 80.2316, 0.3048,
0.3400

 15.4175, 0.5079,
0.2571

 92.1096, 0.2982,
0.3471

 15.4173, 0.5079,
0.2571

 92.7894, 0.2922,
0.3354

 93.1867, 0.2889,
0.3289

Harmonies

Analogous

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



33.0499, 0.3016, 0.2479



33.0499, 0.3645, 0.2793



33.0499, 0.4157, 0.3221

Triad

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



33.0499, 0.3645, 0.2793



33.0499, 0.3731, 0.4395



33.0499, 0.2035, 0.2701

Complementary

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



33.0499, 0.3645, 0.2793



56.3220, 0.2807, 0.3856

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.



33.0499, 0.2184, 0.3230



33.0499, 0.3645, 0.2793



33.0499, 0.3140, 0.4323

Square

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



33.0499, 0.3645, 0.2793



33.0499, 0.4184, 0.4128



33.0499, 0.2576, 0.3864



33.0499, 0.2136, 0.2400

Rectangle

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



33.0499, 0.3645, 0.2793



33.0499, 0.4331, 0.3536



33.0499, 0.2576, 0.3864



33.0499, 0.2056, 0.2854

Sweetspot

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



33.0515, 0.3645, 0.2793



81.0185, 0.3246, 0.3146



29.5414, 0.2774, 0.2188



16.9389, 0.3261, 0.3130



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.



33.0515, 0.3645, 0.2793



41.6870, 0.3808, 0.2691



32.1135, 0.4127, 0.3311



12.5185, 0.3217, 0.3179



9.2428, 0.5044, 0.2552



0.5742, 0.4644, 0.2332

Inverse Universe

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



33.0515, 0.3645, 0.2793



41.6870, 0.3808, 0.2691



57.4465, 0.2576, 0.3270



12.5185, 0.3217, 0.3179



9.2428, 0.5044, 0.2552



0.5742, 0.4644, 0.2332

Previews

White Background



This preview shows how the Yxy color 33.0499, 0.3645, 0.2793 looks on a white background.

Color Contrast Check

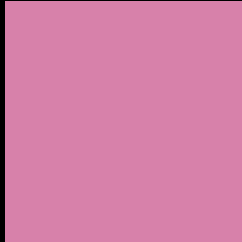
Large Text (above 18pt) WCAG AA × Fail

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 33.0499, 0.3645, 0.2793 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 33.0499, 0.3645, 0.2793

Background



This preview shows how black text looks on a background with the Yxy color 33.0499, 0.3645, 0.2793.



This preview shows how white text looks on a background with the Yxy color 33.0499, 0.3645, 0.2793.

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

33.0499, 0.3645, 0.2793

Protanopia

33.4201, 0.2798, 0.2827

Deuteranopia

33.4251, 0.3147, 0.3089



Tritanopia

33.0609, 0.3900, 0.3167

Trichromacy



Original Color

33.0499, 0.3645, 0.2793

Protanomaly

32.7782, 0.3070, 0.2807

Deuteranomaly

32.9269, 0.3319, 0.2977

Tritanomaly

32.9486, 0.3812, 0.3031

Monochromacy



Original Color

33.0499, 0.3645, 0.2793

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.4079, 0.3301, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0499, 0.3645, 0.2793 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(215, 129, 170)` looks like.

```
.text, #text, p{  
    color:rgb(215, 129, 170)  
}
```

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(215, 129, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 129, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.0499, 0.3645, 0.2793 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(215, 129, 170) }
```

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

```
.border{ border-color:rgb(215, 129, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 129, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 129, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 129, 170);  
box-shadow:4px 4px 4px 4px rgb(215, 129,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0499, 0.3645, 0.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 129, 170) }
```

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

```
.background{ background-color: rgb(215,  
129, 170) }
```

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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