

Converting Colors

$Y_{xy}(42.4174, 0.3200, 0.2744)$

Have a look what the booklet for
Yxy(42.4174, 0.3200, 0.2744)
contains.

Yxy(42.3687, 0.3199, 0.2743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3687, 0.3199, 0.2743)

Conversions

Conversions Part 1

Format	Color
Hex	D19ECC
RGB	209, 158, 204
RGB Percent	82%, 62%, 80%
CMY	0.1805, 0.3803, 0.2001
CMYK	0.00, 0.24, 0.02, 0.18
HSL	306°, 36%, 72%
HSV	306°, 24%, 82%
XYZ	49.4121, 42.3687, 62.6803
YIQ	178.4930, 15.6300, 25.1180

Conversions

Conversions Part 2

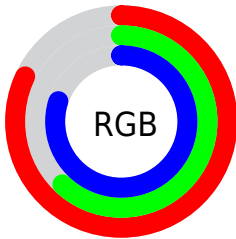
Format	Color
R _Y B	209, 158, 204
Decimal	13737676
CIE Lab	71.12, 26.50, -16.16
CIE LCh	71, 31.041, 328.627
Yxy	42.3687, 0.3199, 0.2743
Android (android.graphics.Color)	4291927756 (0xFFD19ECC)
YUV	178.4930, 12.5750, 26.7546
Hunter-Lab	65.0912, 21.5934, -11.5301

Details

The Yxy color **42.3687, 0.3199, 0.2743** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.5057, 0.3062, 0.3906**, and the grayscale version is **44.7214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **19.3801, 0.3211, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **35.7383, 0.3234, 0.2518**, and if you desaturate by 10%, it is **50.2164, 0.3167, 0.2971**.

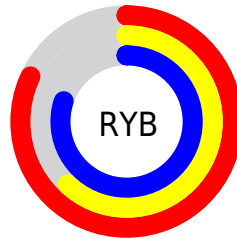
Distribution



Red (82%)

Green (62%)

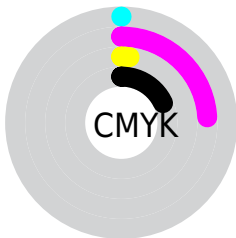
Blue (80%)



Red (82%)

Yellow (62%)

Blue (80%)

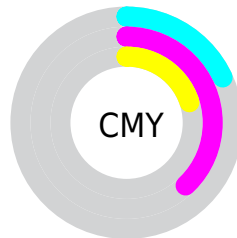


Cyan (0%)

Magenta (24%)

Yellow (2%)

Black (18%)



Cyan (18%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3687, 0.3199, 0.2743 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 42.3687, 0.3199, 0.2743 by changing the saturation by 10% instead.


 42.3687, 0.3199,
0.2743

 42.3687, 0.3199,
0.2743


356.0091, 0.3168,
0.3008

 29.3901, 0.3205,
0.2679


 78.7573, 0.3189,
0.2838

 19.3761, 0.3213,
0.2599


 102.9362, 0.3184,
0.2874

 11.9424, 0.3222,
0.2494


131.6172, 0.3181,
0.2904

 6.7044, 0.3231,
0.2353

165.1848, 0.3178,
0.2931

 3.2780, 0.3241,
0.2153

204.0234, 0.3175,
0.2954

 1.2785, 0.3245,
0.1849

248.5174, 0.3172,

 0.1245, 0.3498,

0.2974

0.0569

299.0511, 0.3170,
0.2992

0.0000, 0.0000,
0.0000

42.3687, 0.3199,
0.2743

42.3687, 0.3199,
0.2743

35.7383, 0.3234,
0.2518

50.2164, 0.3167,
0.2971

30.2582, 0.3271,
0.2303

59.3327, 0.3139,
0.3195

25.8637, 0.3310,
0.2109

69.7729, 0.3113,
0.3409

22.4813, 0.3349,
0.1945

81.5872, 0.3091,
0.3612

20.0285, 0.3387,
0.1819

89.9390, 0.3075,
0.3726

■ 18.4096, 0.3424,
0.1737

■ 90.0447, 0.3063,
0.3703

■ 17.5084, 0.3457,
0.1697

■ 90.1518, 0.3052,
0.3681

■ 17.2017, 0.3475,
0.1688

■ 90.2602, 0.3040,
0.3658

■ 90.3700, 0.3029,
0.3636

Harmonies

Analogous

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



42.3687, 0.2764, 0.2589



42.3687, 0.3199, 0.2743



42.3687, 0.3643, 0.3020

Triad

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



42.3687, 0.3199, 0.2743



42.3687, 0.3825, 0.4000



42.3687, 0.2367, 0.3122

Complementary

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



42.3687, 0.3199, 0.2743



55.5057, 0.3062, 0.3906

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.



42.3687, 0.2615, 0.3563



42.3687, 0.3199, 0.2743



42.3687, 0.3452, 0.4100

Square

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



42.3687, 0.3199, 0.2743



42.3687, 0.4014, 0.3722



42.3687, 0.3008, 0.3942



42.3687, 0.2310, 0.2773

Rectangle

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



42.3687, 0.3199, 0.2743



42.3687, 0.3871, 0.3248



42.3687, 0.3008, 0.3942



42.3687, 0.2429, 0.3265

Sweetspot

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



42.3706, 0.3199, 0.2743



89.0228, 0.3146, 0.3135



36.7722, 0.2747, 0.2611



18.8624, 0.3148, 0.3121



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.



42.3706, 0.3199, 0.2743



61.0889, 0.3216, 0.2631



41.2773, 0.3426, 0.3030



11.9882, 0.3153, 0.3083



10.6170, 0.3471, 0.1686



0.5996, 0.3417, 0.1656

Inverse Universe

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



42.3706, 0.3199, 0.2743



61.0889, 0.3216, 0.2631



56.4802, 0.2902, 0.3567



11.9882, 0.3153, 0.3083



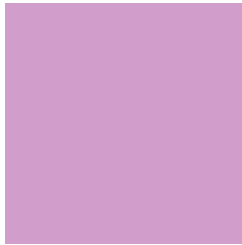
10.6170, 0.3471, 0.1686



0.5996, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 42.3687, 0.3199, 0.2743 looks on a white background.

Color Contrast Check

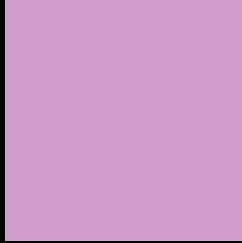
Large Text (above 18pt) WCAG AA × Fail

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 42.3687, 0.3199, 0.2743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

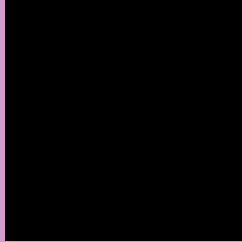
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3687, 0.3199, 0.2743

Background



This preview shows how black text looks on a background with the Yxy color 42.3687, 0.3199, 0.2743.



This preview shows how white text looks on a background with the Yxy color 42.3687, 0.3199, 0.2743.

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

42.3687, 0.3199, 0.2743

Protanopia

42.7415, 0.2749, 0.2758

Deuteranopia

42.4787, 0.2939, 0.2877



Tritanopia

42.3081, 0.3410, 0.3129

Trichromacy



Original Color

42.3687, 0.3199, 0.2743

Protanomaly

42.4822, 0.2902, 0.2759

Deuteranomaly

42.4031, 0.3025, 0.2825

Tritanomaly

42.1567, 0.3330, 0.2983

Monochromacy



Original Color

42.3687, 0.3199, 0.2743

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.5325, 0.3155, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3687, 0.3199, 0.2743 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(209, 158, 204)` looks like.

```
.text, #text, p{  
    color:rgb(209, 158, 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(209, 158, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 158, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.3687, 0.3199, 0.2743 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(209, 158, 204) }
```

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

```
.border{ border-color:rgb(209, 158, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 158, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 158, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 158, 204);  
box-shadow:4px 4px 4px 4px rgb(209, 158,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3687, 0.3199, 0.2743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 158, 204) }
```

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

```
.background{ background-color: rgb(209,  
158, 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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