

Converting Colors

$Y_{xy}(47.5346, 0.2939, 0.2708)$

Have a look what the booklet for
Yxy(47.5346, 0.2939, 0.2708)
contains.

Yxy(47.4701, 0.2938, 0.2709)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4701, 0.2938, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	C5AEDF
RGB	197, 174, 223
RGB Percent	77%, 68%, 87%
CMY	0.2275, 0.3176, 0.1254
CMYK	0.12, 0.22, 0.00, 0.13
HSL	268°, 43%, 78%
HSV	268°, 22%, 87%
XYZ	51.4829, 47.4701, 76.2781
YIQ	186.4630, -2.0210, 20.1150

Conversions

Conversions Part 2

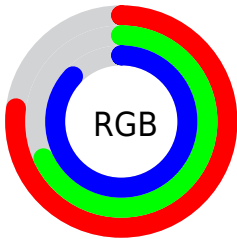
Format	Color
R _Y B	197, 174, 223
Decimal	12955359
CIE Lab	74.49, 17.54, -21.61
CIE LCh	74, 27.832, 309.060
Yxy	47.4701, 0.2938, 0.2709
Android (android.graphics.Color)	4291145439 (0xFFC5AEDF)
YUV	186.4630, 18.0127, 9.2409
Hunter-Lab	68.8985, 12.8077, -17.4114

Details

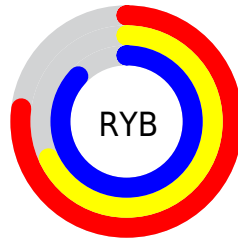
The Yxy color $47.4701, 0.2938, 0.2709$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.1283, 0.3285, 0.3868$, and the grayscale version is $49.2751, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.8845, 0.3132, 0.3048$, and $22.5859, 0.2881, 0.2566$ is the 20% darker color. If you saturate the color by 10%, you get $38.0220, 0.2830, 0.2416$, and if you desaturate by 10%, it is $58.4784, 0.3032, 0.2986$.

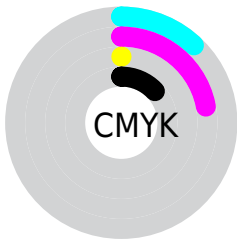
Distribution



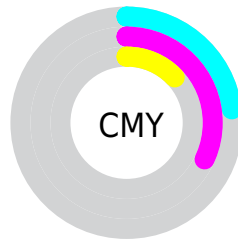
- Red (77%)
- Green (68%)
- Blue (87%)



- Red (77%)
- Yellow (68%)
- Blue (87%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)





- Cyan (23%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4701, 0.2938, 0.2709 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 47.4701, 0.2938, 0.2709 by changing the saturation by 10% instead.


 47.4701, 0.2938,
0.2709

 47.4701, 0.2938,
0.2709


376.6879, 0.3035,
0.2987

 33.4074, 0.2913,
0.2644


 86.4149, 0.2974,
0.2807

 22.4388, 0.2881,
0.2562


112.0659, 0.2987,
0.2845

 14.1796, 0.2838,
0.2456


142.3483, 0.2998,
0.2877

 8.2457, 0.2778,
0.2316

177.6468, 0.3008,
0.2905

 4.2526, 0.2688,
0.2122

218.3456, 0.3016,
0.2929

 1.8158, 0.2543,
0.1837

264.8291, 0.3023,

 0.4970, 0.2306,

0.2951

0.1271

317.4817, 0.3030,
0.2970

0.0000, 0.0000,
0.0000

47.4701, 0.2938,
0.2709

47.4701, 0.2938,
0.2709

38.0220, 0.2830,
0.2416

58.4784, 0.3032,
0.2986

30.0547, 0.2710,
0.2114

71.1095, 0.3113,
0.3242

23.4906, 0.2578,
0.1814

85.4295, 0.3181,
0.3475

18.2426, 0.2440,
0.1531

96.1470, 0.3247,
0.3608

14.2133, 0.2300,
0.1281

98.1091, 0.3315,
0.3601

■ 11.2911, 0.2165,
0.1078

■ 9.3426, 0.2041,
0.0931

■ 8.3089, 0.1952,
0.0849

Harmonies

Analogous

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



47.4701, 0.2618, 0.2663



47.4701, 0.2938, 0.2709



47.4701, 0.3330, 0.2887

Triad

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



47.4701, 0.2938, 0.2709



47.4701, 0.3860, 0.3766



47.4701, 0.2591, 0.3394

Complementary

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



47.4701, 0.2938, 0.2709



68.1283, 0.3285, 0.3868

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.



47.4701, 0.2898, 0.3750



47.4701, 0.2938, 0.2709



47.4701, 0.3635, 0.3956

Square

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



47.4701, 0.2938, 0.2709



47.4701, 0.3881, 0.3474



47.4701, 0.3280, 0.3962



47.4701, 0.2428, 0.3030

Rectangle

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



47.4701, 0.2938, 0.2709



47.4701, 0.3577, 0.3061



47.4701, 0.3280, 0.3962



47.4701, 0.2680, 0.3521

Sweetspot

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



47.4721, 0.2938, 0.2709



87.3819, 0.3073, 0.3115



55.7051, 0.2781, 0.3010



18.4817, 0.3068, 0.3099



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.



47.4721, 0.2938, 0.2709



58.6705, 0.2894, 0.2587



51.0357, 0.3139, 0.2743



13.5569, 0.3054, 0.3053



4.9504, 0.1968, 0.0858



0.3961, 0.2139, 0.0952

Inverse Universe

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



50.1366, 0.3343, 0.2993



62.9027, 0.3395, 0.2933



65.0326, 0.3110, 0.3900



13.8216, 0.3209, 0.3166



10.0220, 0.4821, 0.2430



0.7127, 0.4505, 0.2255

Previews

White Background



This preview shows how the Yxy color 47.4701, 0.2938, 0.2709 looks on a white background.

Color Contrast Check

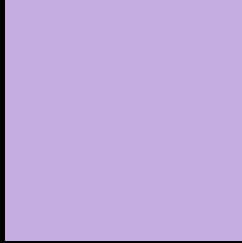
Large Text (above 18pt) WCAG AA × Fail

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 47.4701, 0.2938, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

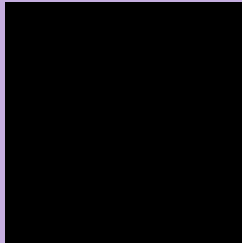
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4701, 0.2938, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 47.4701, 0.2938, 0.2709.



This preview shows how white text looks on a background with the Yxy color 47.4701, 0.2938, 0.2709.

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

47.4701, 0.2938, 0.2709

Protanopia

47.4198, 0.2717, 0.2710

Deuteranopia

47.4592, 0.2829, 0.2763



Tritanopia

47.2969, 0.3127, 0.3115

Trichromacy



Original Color

47.4701, 0.2938, 0.2709

Protanomaly

47.1555, 0.2794, 0.2705

Deuteranomaly

47.2830, 0.2867, 0.2744

Tritanomaly

47.2732, 0.3058, 0.2958

Monochromacy



Original Color

47.4701, 0.2938, 0.2709

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.5266, 0.3062, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4701, 0.2938, 0.2709 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(197, 174, 223)` looks like.

```
.text, #text, p{  
    color:rgb(197, 174, 223)  
}
```

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(197, 174, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 174, 223) }
```

Border

The CSS property to change the border of an element to Yxy 47.4701, 0.2938, 0.2709 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(197, 174, 223) }
```

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

```
.border{ border-color:rgb(197, 174, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 174, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 174, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 174, 223);  
box-shadow:4px 4px 4px 4px rgb(197, 174,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4701, 0.2938, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 174, 223) }
```

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

```
.background{ background-color: rgb(197,  
174, 223) }
```

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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