

Converting Colors

$Y_{xy}(47.2869, 0.2795, 0.2448)$

Have a look what the booklet for
Yxy(47.2869, 0.2795, 0.2448)
contains.

Yxy(47.2869, 0.2795, 0.2448)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2869, 0.2795, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	C6AAF4
RGB	198, 170, 244
RGB Percent	78%, 67%, 96%
CMY	0.2236, 0.3333, 0.0430
CMYK	0.19, 0.30, 0.00, 0.04
HSL	263°, 77%, 81%
HSV	263°, 30%, 96%
XYZ	53.9897, 47.2869, 91.8888
YIQ	186.8080, -7.0660, 28.9500

Conversions

Conversions Part 2

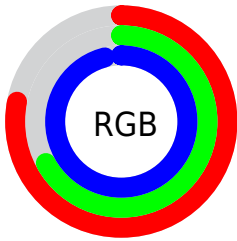
Format	Color
R _Y B	198, 170, 244
Decimal	13019892
CIE Lab	74.37, 24.55, -33.19
CIE LCh	74, 41.280, 306.494
Yxy	47.2869, 0.2795, 0.2448
Android (android.graphics.Color)	4291209972 (0xFFC6AAF4)
YUV	186.8080, 28.1957, 9.8154
Hunter-Lab	68.7655, 19.8059, -31.0912

Details

The Yxy color `47.2869, 0.2795, 0.2448` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `82.2276, 0.3389, 0.4101`, and the grayscale version is `49.4215, 0.3127, 0.3290`.

A 20% lighter version of the original color is `82.3304, 0.3141, 0.2999`, and `22.4273, 0.2694, 0.2247` is the 20% darker color. If you saturate the color by 10%, you get `37.0119, 0.2655, 0.2135`, and if you desaturate by 10%, it is `59.4706, 0.2920, 0.2748`.

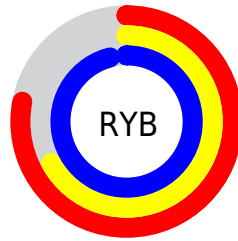
Distribution



Red (78%)

Green (67%)

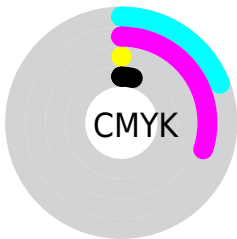
Blue (96%)



Red (78%)

Yellow (67%)

Blue (96%)

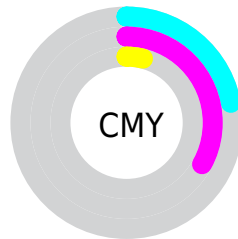


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (33%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2869, 0.2795, 0.2448 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 47.2869, 0.2795, 0.2448 by changing the saturation by 10% instead.

 47.2869, 0.2795,
0.2448

 47.2869, 0.2795,
0.2448

375.9586, 0.2965,
0.2841

 33.2625, 0.2752,
0.2358


 86.1417, 0.2857,
0.2585

 22.3276, 0.2698,
0.2248


111.7409, 0.2880,
0.2638

 14.0978, 0.2626,
0.2108


141.9672, 0.2900,
0.2684

 8.1887, 0.2528,
0.1929

177.2050, 0.2917,
0.2723

 4.2160, 0.2386,
0.1690

217.8386, 0.2931,
0.2758

 1.7951, 0.2169,
0.1362

264.2525, 0.2944,

 0.4841, 0.1828,

0.2789

0.0820

316.8310, 0.2955,
0.2817

0.0000, 0.0040,
0.0000

0.0000, 0.0000,
0.0000

47.2869, 0.2795,
0.2448

47.2869, 0.2795,
0.2448

37.0119, 0.2655,
0.2135

59.4706, 0.2920,
0.2748

28.5397, 0.2503,
0.1820

73.6498, 0.3030,
0.3027

21.7626, 0.2344,
0.1517

89.9131, 0.3124,
0.3282

16.5586, 0.2185,
0.1246

99.3132, 0.3191,
0.3395

■ 12.7886, 0.2035,
0.1024

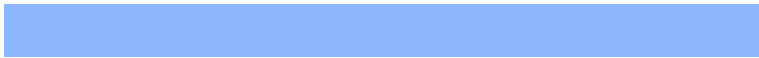
■ 10.2878, 0.1901,
0.0862

■ 8.8184, 0.1793,
0.0762

Harmonies

Analogous

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



47.2869, 0.2357, 0.2392



47.2869, 0.2795, 0.2448



47.2869, 0.3368, 0.2683

Triad

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



47.2869, 0.2795, 0.2448



47.2869, 0.4223, 0.3924



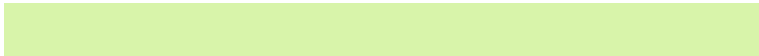
47.2869, 0.2372, 0.3484

Complementary

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



47.2869, 0.2795, 0.2448



82.2276, 0.3389, 0.4101

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.



47.2869, 0.2822, 0.4035



47.2869, 0.2795, 0.2448



47.2869, 0.3897, 0.4251

Square

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



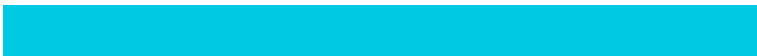
47.2869, 0.2795, 0.2448



47.2869, 0.4239, 0.3490



47.2869, 0.3381, 0.4324



47.2869, 0.2130, 0.2927

Rectangle

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



47.2869, 0.2795, 0.2448



47.2869, 0.3749, 0.2917



47.2869, 0.3381, 0.4324



47.2869, 0.2502, 0.3681

Sweetspot

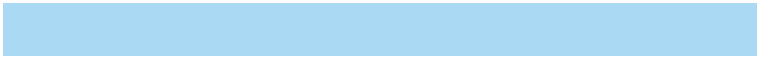
The Sweet Spot groups the original color and five complimentary colors.



47.2888, 0.2795, 0.2448



83.6130, 0.3043, 0.3062



64.6477, 0.2654, 0.2974



17.3678, 0.3028, 0.3023



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.



47.2888, 0.2795, 0.2448



45.4752, 0.2716, 0.2269



52.8056, 0.3082, 0.2516



16.2317, 0.3038, 0.3049



4.8658, 0.1809, 0.0770



0.4845, 0.1947, 0.0846

Inverse Universe

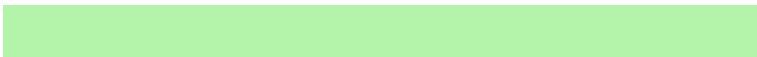
The Inverse Universe completely reimagines the original color for something new.



52.9522, 0.3393, 0.2803



52.7097, 0.3460, 0.2709



77.3079, 0.3147, 0.4165



16.6559, 0.3196, 0.3144



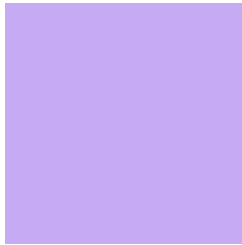
11.7147, 0.4451, 0.2226



1.0496, 0.4253, 0.2117

Previews

White Background



This preview shows how the Yxy color 47.2869, 0.2795, 0.2448 looks on a white background.

Color Contrast Check

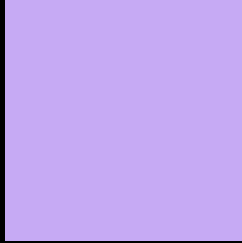
Large Text (above 18pt) WCAG AA × Fail

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 47.2869, 0.2795, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

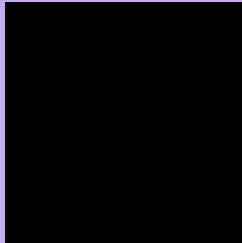
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2869, 0.2795, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 47.2869, 0.2795, 0.2448.



This preview shows how white text looks on a background with the Yxy color 47.2869, 0.2795, 0.2448.

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

47.2869, 0.2795, 0.2448

Protanopia

47.7574, 0.2506, 0.2443

Deuteranopia

47.3782, 0.2601, 0.2541



Tritanopia

47.3564, 0.3093, 0.3113

Trichromacy



Original Color

47.2869, 0.2795, 0.2448

Protanomaly

47.3978, 0.2603, 0.2443

Deuteranomaly

47.1054, 0.2666, 0.2497

Tritanomaly

47.0106, 0.2980, 0.2850

Monochromacy



Original Color

47.2869, 0.2795, 0.2448

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.6782, 0.3002, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2869, 0.2795, 0.2448 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(198, 170, 244)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 244)  
}
```

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(198, 170, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 244) }
```

Border

The CSS property to change the border of an element to Yxy 47.2869, 0.2795, 0.2448 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(198, 170, 244) }
```

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

```
.border{ border-color:rgb(198, 170, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 170, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 170, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 170, 244); box-shadow:4px 4px 4px 4px rgb(198, 170, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2869, 0.2795, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 244) }
```

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

```
.background{ background-color: rgb(198,  
170, 244) }
```

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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