

Converting Colors

$Y_{xy}(47.7769, 0.2835, 0.2561)$

Have a look what the booklet for
Yxy(47.7769, 0.2835, 0.2561)
contains.

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Color

Yxy(47.6790, 0.2837, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	C4ADEC
RGB	196, 173, 236
RGB Percent	77%, 68%, 93%
CMY	0.2312, 0.3216, 0.0745
CMYK	0.17, 0.27, 0.00, 0.07
HSL	262°, 62%, 80%
HSV	262°, 27%, 93%
XYZ	52.8587, 47.6790, 85.7812
YIQ	187.0590, -6.5150, 24.4690

Conversions

Conversions Part 2

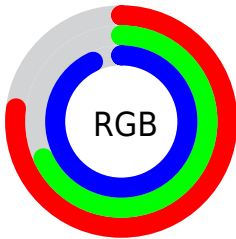
Format	Color
R _{YB}	196, 173, 236
Decimal	12889580
CIE _{Lab}	74.62, 20.57, -28.47
CIE _{LCh}	75, 35.123, 305.840
Yxy	47.6790, 0.2837, 0.2559
Android (android.graphics.Color)	4291079660 (0xFFC4ADEC)
YUV	187.0590, 24.1279, 7.8413
Hunter-Lab	69.0500, 15.8066, -25.3213

Details

The Yxy color $47.6790, 0.2837, 0.2559$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $77.1523, 0.3364, 0.3995$, and the grayscale version is $49.5970, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.1413, 0.3125, 0.3038$, and $22.7208, 0.2757, 0.2388$ is the 20% darker color. If you saturate the color by 10%, you get $37.5076, 0.2700, 0.2249$, and if you desaturate by 10%, it is $59.6531, 0.2959, 0.2852$.

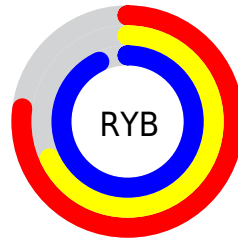
Distribution



Red (77%)

Green (68%)

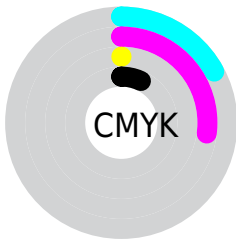
Blue (93%)



Red (77%)

Yellow (68%)

Blue (93%)

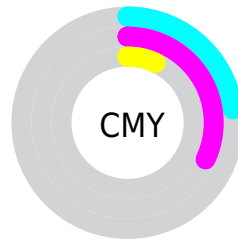


Cyan (17%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (23%)


Magenta (32%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6790, 0.2837, 0.2559 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 47.6790, 0.2837, 0.2559 by changing the saturation by 10% instead.


 47.6790, 0.2837,
0.2559

 47.6790, 0.2837,
0.2559


377.5183, 0.2985,
0.2904

 33.5728, 0.2800,
0.2479


 86.7263, 0.2891,
0.2680

 22.5656, 0.2752,
0.2380


112.4361, 0.2911,
0.2726

 14.2731, 0.2689,
0.2254


142.7826, 0.2928,
0.2766

 8.3108, 0.2602,
0.2090

178.1501, 0.2943,
0.2801

 4.2945, 0.2476,
0.1867

218.9230, 0.2955,
0.2832

 1.8396, 0.2279,
0.1553

265.4858, 0.2967,

 0.5117, 0.1962,

0.2859

0.1007

318.2227, 0.2976,
0.2883

0.0000, 0.0000,
0.0000

47.6790, 0.2837,
0.2559

47.6790, 0.2837,
0.2559

37.5076, 0.2700,
0.2249

59.6531, 0.2959,
0.2852

29.0431, 0.2550,
0.1932

73.5076, 0.3065,
0.3123

22.1894, 0.2390,
0.1622

89.3226, 0.3156,
0.3368

16.8385, 0.2228,
0.1336

98.8367, 0.3238,
0.3473

12.8683, 0.2072,
0.1092

■ 10.1366, 0.1931,
0.0906

■ 8.4646, 0.1812,
0.0784

■ 8.0522, 0.1777,
0.0753

Harmonies

Analogous

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



47.6790, 0.2459, 0.2518



47.6790, 0.2837, 0.2559



47.6790, 0.3324, 0.2761

Triad

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



47.6790, 0.2837, 0.2559



47.6790, 0.4065, 0.3837



47.6790, 0.2489, 0.3469

Complementary

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



47.6790, 0.2837, 0.2559



77.1523, 0.3364, 0.3995

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.



47.6790, 0.2883, 0.3921



47.6790, 0.2837, 0.2559



47.6790, 0.3799, 0.4108

Square

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



47.6790, 0.2837, 0.2559



47.6790, 0.4066, 0.3464



47.6790, 0.3362, 0.4160



47.6790, 0.2271, 0.2998

Rectangle

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



47.6790, 0.2837, 0.2559



47.6790, 0.3646, 0.2965



47.6790, 0.3362, 0.4160



47.6790, 0.2604, 0.3632

Sweetspot

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



47.6810, 0.2837, 0.2559



85.2965, 0.3051, 0.3088



63.0085, 0.2712, 0.3030



17.7013, 0.3036, 0.3048



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.



47.6810, 0.2837, 0.2559



49.9935, 0.2764, 0.2392



52.1978, 0.3081, 0.2610



14.8172, 0.3037, 0.3050



4.5051, 0.1793, 0.0761



0.4066, 0.1947, 0.0846

Inverse Universe

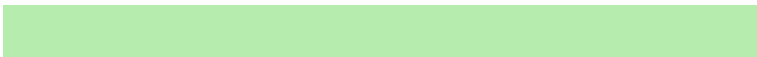
The Inverse Universe completely reimagines the original color for something new.



52.5183, 0.3347, 0.2856



56.7448, 0.3405, 0.2765



73.0124, 0.3153, 0.4043



15.2148, 0.3194, 0.3142



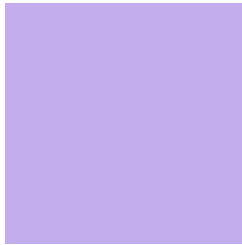
11.0631, 0.4400, 0.2198



0.8871, 0.4191, 0.2083

Previews

White Background



This preview shows how the Yxy color 47.6790, 0.2837, 0.2559 looks on a white background.

Color Contrast Check

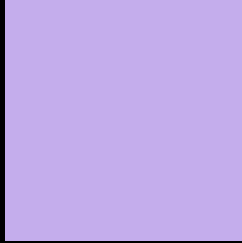
Large Text (above 18pt) WCAG AA × Fail

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 47.6790, 0.2837, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

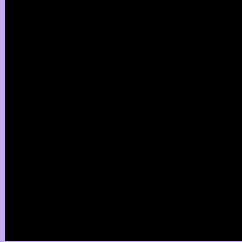
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6790, 0.2837, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 47.6790, 0.2837, 0.2559.



This preview shows how white text looks on a background with the Yxy color 47.6790, 0.2837, 0.2559.

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

47.6790, 0.2837, 0.2559

Protanopia

47.6740, 0.2596, 0.2552

Deuteranopia

47.7546, 0.2692, 0.2624



Tritanopia

47.8067, 0.3085, 0.3114

Trichromacy



Original Color

47.6790, 0.2837, 0.2559

Protanomaly

47.5970, 0.2680, 0.2551

Deuteranomaly

47.5097, 0.2748, 0.2598

Tritanomaly

47.7004, 0.2995, 0.2898

Monochromacy



Original Color

47.6790, 0.2837, 0.2559

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.8108, 0.3016, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6790, 0.2837, 0.2559 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(196, 173, 236)` looks like.

```
.text, #text, p{  
    color:rgb(196, 173, 236)  
}
```

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(196, 173, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 173, 236) }
```

Border

The CSS property to change the border of an element to Yxy 47.6790, 0.2837, 0.2559 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(196, 173, 236) }
```

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

```
.border{ border-color:rgb(196, 173, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 173, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 173, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 173, 236); box-shadow:4px 4px 4px 4px rgb(196, 173, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6790, 0.2837, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 173, 236) }
```

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

```
.background{ background-color: rgb(196,  
173, 236) }
```

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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