

Converting Colors

$Y_{xy}(47.7136, 0.3015, 0.2812)$

Have a look what the booklet for
Yxy(47.7136, 0.3015, 0.2812)
contains.

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Color

Yxy(47.7084, 0.3015, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	C7AFD7
RGB	199, 175, 215
RGB Percent	78%, 69%, 84%
CMY	0.2195, 0.3137, 0.1569
CMYK	0.07, 0.19, 0.00, 0.16
HSL	276°, 33%, 76%
HSV	276°, 19%, 84%
XYZ	51.1525, 47.7084, 70.7991
YIQ	186.7360, 1.4640, 17.5280

Conversions

Conversions Part 2

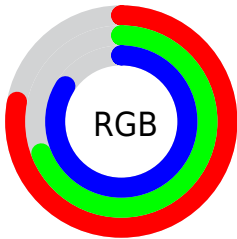
Format	Color
R_{YB}	199, 175, 215
Decimal	13086679
CIE _{Lab}	74.64, 16.01, -16.99
CIE _{LCh}	75, 23.348, 313.301
Yxy	47.7084, 0.3015, 0.2812
Android (android.graphics.Color)	4291276759 (0xFFC7AFD7)
YUV	186.7360, 13.9342, 10.7555
Hunter-Lab	69.0713, 11.3180, -12.4233

Details

The Yxy color $47.7084, 0.3015, 0.2812$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $62.7665, 0.3221, 0.3778$, and the grayscale version is $49.4593, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $22.4769, 0.2983, 0.2684$ is the 20% darker color. If you saturate the color by 10%, you get $38.8555, 0.2940, 0.2534$, and if you desaturate by 10%, it is $57.9640, 0.3080, 0.3077$.

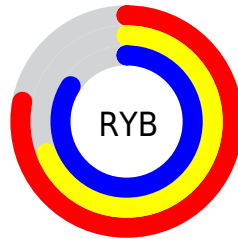
Distribution



Red (78%)

Green (69%)

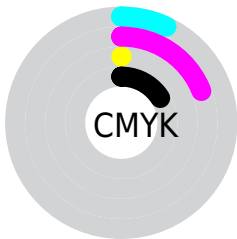
Blue (84%)



Red (78%)

Yellow (69%)

Blue (84%)

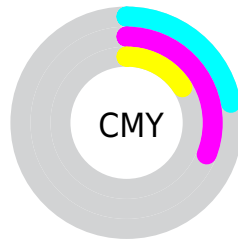


Cyan (7%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (22%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7084, 0.3015, 0.2812 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 47.7084, 0.3015, 0.2812 by changing the saturation by 10% instead.

■ 47.7084, 0.3015,
0.2812

■ 47.7084, 0.3015,
0.2812

377.6351, 0.3073,
0.3042

■ 33.5960, 0.3000,
0.2757

■ 86.7701, 0.3037,
0.2894

■ 22.5834, 0.2980,
0.2689

112.4882, 0.3045,
0.2925

■ 14.2862, 0.2953,
0.2600

142.8436, 0.3051,
0.2951

■ 8.3200, 0.2915,
0.2480

178.2208, 0.3057,
0.2974

■ 4.3004, 0.2858,
0.2313

219.0042, 0.3062,
0.2995

■ 1.8430, 0.2761,
0.2060

265.5781, 0.3066,

■ 0.5137, 0.2609,

0.3012

0.1524

318.3270, 0.3070,
0.3028

0.0000, 0.0000,
0.0000

47.7084, 0.3015,
0.2812

47.7084, 0.3015,
0.2812

38.8555, 0.2940,
0.2534

57.9640, 0.3080,
0.3077

31.3352, 0.2854,
0.2249

69.6760, 0.3134,
0.3323

25.0804, 0.2759,
0.1966

82.9026, 0.3180,
0.3550

20.0157, 0.2656,
0.1699

93.8115, 0.3223,
0.3699

16.0573, 0.2548,
0.1460

95.2949, 0.3278,
0.3692

■ 13.1101, 0.2440,
0.1261

■ 96.8497, 0.3334,
0.3685

■ 11.0623, 0.2335,
0.1112

■ 97.6861, 0.3364,
0.3681

■ 9.7436, 0.2238,
0.1011

■ 9.5839, 0.2224,
0.0999

Harmonies

Analogous

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



47.7084, 0.2731, 0.2758



47.7084, 0.3015, 0.2812



47.7084, 0.3344, 0.2978

Triad

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



47.7084, 0.3015, 0.2812



47.7084, 0.3725, 0.3724



47.7084, 0.2648, 0.3334

Complementary

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



47.7084, 0.3015, 0.2812



62.7665, 0.3221, 0.3778

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.



47.7084, 0.2895, 0.3635



47.7084, 0.3015, 0.2812



47.7084, 0.3519, 0.3859

Square

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



47.7084, 0.3015, 0.2812



47.7084, 0.3767, 0.3488



47.7084, 0.3213, 0.3833



47.7084, 0.2528, 0.3039

Rectangle

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



47.7084, 0.3015, 0.2812



47.7084, 0.3543, 0.3133



47.7084, 0.3213, 0.3833



47.7084, 0.2718, 0.3439

Sweetspot

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



47.7104, 0.3015, 0.2812



89.4832, 0.3094, 0.3141



51.2802, 0.2833, 0.2990



18.9184, 0.3091, 0.3125



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.



47.7104, 0.3015, 0.2812



65.2766, 0.2989, 0.2713



49.8086, 0.3181, 0.2875



12.3738, 0.3075, 0.3056



5.7957, 0.2238, 0.1007



0.3971, 0.2404, 0.1098

Inverse Universe

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



48.8659, 0.3348, 0.3102



67.2975, 0.3402, 0.3063



60.9671, 0.3077, 0.3744



12.5022, 0.3229, 0.3197



9.0613, 0.5367, 0.2730



0.5626, 0.4910, 0.2478

Previews

White Background



This preview shows how the Yxy color 47.7084, 0.3015, 0.2812 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 47.7084, 0.3015, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

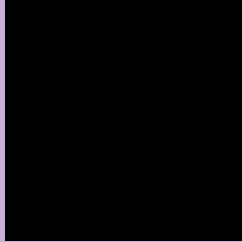
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7084, 0.3015, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 47.7084, 0.3015, 0.2812.



This preview shows how white text looks on a background with the Yxy color 47.7084, 0.3015, 0.2812.

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

47.7084, 0.3015, 0.2812

Protanopia

47.8533, 0.2800, 0.2817

Deuteranopia

47.6600, 0.2925, 0.2860



Tritanopia

47.8262, 0.3161, 0.3116

Trichromacy



Original Color

47.7084, 0.3015, 0.2812

Protanomaly

47.4925, 0.2873, 0.2811

Deuteranomaly

47.7722, 0.2957, 0.2851

Tritanomaly

47.9282, 0.3106, 0.3008

Monochromacy



Original Color

47.7084, 0.3015, 0.2812

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.9746, 0.3085, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7084, 0.3015, 0.2812 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(199, 175, 215)` looks like.

```
.text, #text, p{  
    color:rgb(199, 175, 215)  
}
```

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(199, 175, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 175, 215) }
```

Border

The CSS property to change the border of an element to Yxy 47.7084, 0.3015, 0.2812 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(199, 175, 215) }
```

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

```
.border{ border-color:rgb(199, 175, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 175, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 175, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 175, 215);  
box-shadow:4px 4px 4px 4px rgb(199, 175,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7084, 0.3015, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 175, 215) }
```

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

```
.background{ background-color: rgb(199,  
175, 215) }
```

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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