

Converting Colors

$Y_{xy}(47.7463, 0.3000, 0.2536)$

Have a look what the booklet for
Yxy(47.7463, 0.3000, 0.2536)
contains.

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Color

Yxy(47.6600, 0.3002, 0.2532)

Conversions

Conversions Part 1

Format	Color
Hex	D7A6EA
RGB	215, 166, 234
RGB Percent	84%, 65%, 92%
CMY	0.1569, 0.3490, 0.0823
CMYK	0.08, 0.29, 0.00, 0.08
HSL	283°, 62%, 78%
HSV	283°, 29%, 92%
XYZ	56.5068, 47.6600, 84.0638
YIQ	188.4030, 7.3760, 31.5360

Conversions

Conversions Part 2

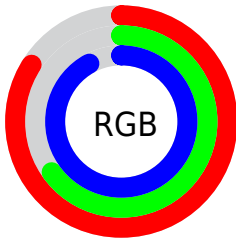
Format	Color
R _Y B	215, 166, 234
Decimal	14132970
CIE Lab	74.61, 29.87, -27.25
CIE LCh	75, 40.432, 317.621
Yxy	47.6600, 0.3002, 0.2532
Android (android.graphics.Color)	4292323050 (0xFFD7A6EA)
YUV	188.4030, 22.4793, 23.3256
Hunter-Lab	69.0362, 25.2907, -23.8707

Details

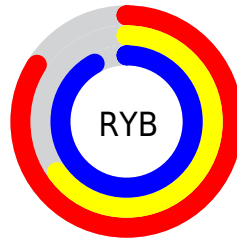
The Yxy color $47.6600, 0.3002, 0.2532$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.9195, 0.3214, 0.4104$, and the grayscale version is $50.3975, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $22.3955, 0.2954, 0.2343$ is the 20% darker color. If you saturate the color by 10%, you get $38.9423, 0.2944, 0.2259$, and if you desaturate by 10%, it is $57.9692, 0.3052, 0.2803$.

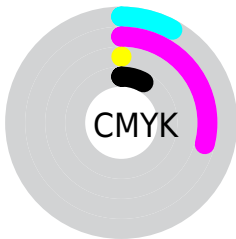
Distribution



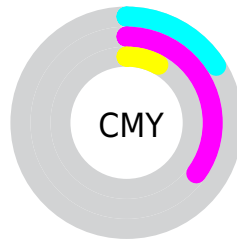
- Red (84%)
- Green (65%)
- Blue (92%)



- Red (84%)
- Yellow (65%)
- Blue (92%)



- Cyan (8%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)




- Cyan (16%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6600, 0.3002, 0.2532 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 47.6600, 0.3002, 0.2532 by changing the saturation by 10% instead.


 47.6600, 0.3002,
0.2532

 47.6600, 0.3002,
0.2532


377.4429, 0.3071,
0.2886

 33.5577, 0.2983,
0.2451


 86.6980, 0.3028,
0.2655

 22.5540, 0.2958,
0.2350


 112.4024, 0.3038,
0.2703

 14.2646, 0.2924,
0.2224


142.7431, 0.3046,
0.2744

 8.3049, 0.2875,
0.2059

178.1043, 0.3053,
0.2780

 4.2907, 0.2801,
0.1837

218.8705, 0.3058,
0.2812

 1.8374, 0.2677,
0.1527

265.4261, 0.3063,

 0.5104, 0.2469,

0.2839

0.0991

318.1554, 0.3068,
0.2864

0.0000, 0.1119,
0.0000

0.0000, 0.0000,
0.0000

47.6600, 0.3002,
0.2532

47.6600, 0.3002,
0.2532

38.9423, 0.2944,
0.2259

57.9692, 0.3052,
0.2803

31.7255, 0.2879,
0.1994

69.9419, 0.3095,
0.3065

25.9193, 0.2808,
0.1749

83.6531, 0.3130,
0.3313

21.4207, 0.2733,
0.1535

96.1911, 0.3162,
0.3498

■ 18.1127, 0.2656,
0.1363

■ 97.3653, 0.3203,
0.3496

■ 15.8567, 0.2580,
0.1238

■ 98.5813, 0.3245,
0.3493

■ 14.4398, 0.2508,
0.1158

■ 98.7206, 0.3250,
0.3493

■ 14.3233, 0.2501,
0.1151

Harmonies

Analogous

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



47.6600, 0.2511, 0.2408



47.6600, 0.3002, 0.2532



47.6600, 0.3575, 0.2818

Triad

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



47.6600, 0.3002, 0.2532



47.6600, 0.4111, 0.4050



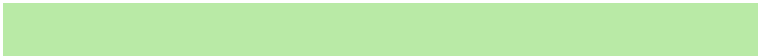
47.6600, 0.2273, 0.3267

Complementary

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



47.6600, 0.3002, 0.2532



71.9195, 0.3214, 0.4104

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.



47.6600, 0.2647, 0.3835



47.6600, 0.3002, 0.2532



47.6600, 0.3709, 0.4293

Square

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



47.6600, 0.3002, 0.2532



47.6600, 0.4247, 0.3650



47.6600, 0.3171, 0.4235



47.6600, 0.2122, 0.2774

Rectangle

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



47.6600, 0.3002, 0.2532



47.6600, 0.3915, 0.3073



47.6600, 0.3171, 0.4235



47.6600, 0.2375, 0.3458

Sweetspot

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



47.6620, 0.3002, 0.2532



85.0237, 0.3095, 0.3066



48.8633, 0.2643, 0.2691



17.7154, 0.3089, 0.3028



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.



47.6620, 0.3002, 0.2532



51.2291, 0.2968, 0.2365



49.8991, 0.3283, 0.2713



15.0897, 0.3093, 0.3055



8.1150, 0.2512, 0.1158



0.6850, 0.2612, 0.1212

Inverse Universe

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



48.2747, 0.3591, 0.3077



52.1910, 0.3728, 0.3031



70.2811, 0.3002, 0.3947



15.1233, 0.3249, 0.3224



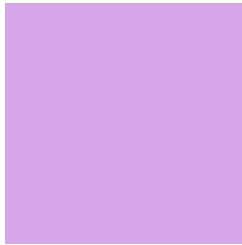
10.0658, 0.5829, 0.2985



0.8063, 0.5435, 0.2768

Previews

White Background



This preview shows how the Yxy color 47.6600, 0.3002, 0.2532 looks on a white background.

Color Contrast Check

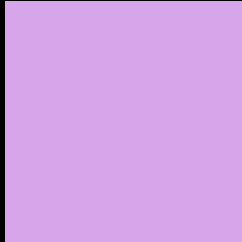
Large Text (above 18pt) WCAG AA × Fail

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 47.6600, 0.3002, 0.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

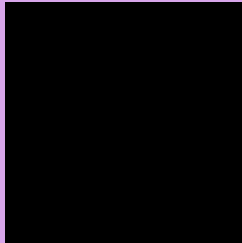
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6600, 0.3002, 0.2532

Background



This preview shows how black text looks on a background with the Yxy color 47.6600, 0.3002, 0.2532.



This preview shows how white text looks on a background with the Yxy color 47.6600, 0.3002, 0.2532.

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

47.6600, 0.3002, 0.2532

Protanopia

48.1555, 0.2573, 0.2532

Deuteranopia

47.7591, 0.2732, 0.2670



Tritanopia

47.7007, 0.3312, 0.3133

Trichromacy



Original Color

47.6600, 0.3002, 0.2532

Protanomaly

47.5919, 0.2715, 0.2525

Deuteranomaly

47.5625, 0.2827, 0.2617

Tritanomaly

47.7617, 0.3198, 0.2902

Monochromacy



Original Color

47.6600, 0.3002, 0.2532

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.0561, 0.3083, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6600, 0.3002, 0.2532 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(215, 166, 234)` looks like.

```
.text, #text, p{  
    color:rgb(215, 166, 234)  
}
```

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(215, 166, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 166, 234) }
```

Border

The CSS property to change the border of an element to Yxy 47.6600, 0.3002, 0.2532 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(215, 166, 234) }
```

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

```
.border{ border-color:rgb(215, 166, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 166, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 166, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 166, 234);  
box-shadow:4px 4px 4px 4px rgb(215, 166,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6600, 0.3002, 0.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 166, 234) }
```

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

```
.background{ background-color: rgb(215,  
166, 234) }
```

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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