

Converting Colors

$Y_{xy}(46.9176, 0.3022, 0.2498)$

Have a look what the booklet for
Yxy(46.9176, 0.3022, 0.2498)
contains.

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Color

Yxy(47.0403, 0.3027, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	DAA3EA
RGB	218, 163, 234
RGB Percent	85%, 64%, 92%
CMY	0.1451, 0.3608, 0.0822
CMYK	0.07, 0.30, 0.00, 0.08
HSL	286°, 63%, 78%
HSV	286°, 30%, 92%
XYZ	56.8654, 47.0403, 83.9549
YIQ	187.5390, 9.9890, 33.7410

Conversions

Conversions Part 2

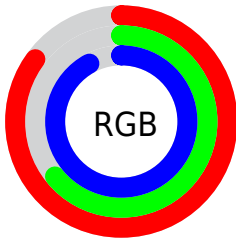
Format	Color
R _Y B	218, 163, 234
Decimal	14328810
CIE Lab	74.22, 32.45, -27.85
CIE LCh	74, 42.768, 319.363
Yxy	47.0403, 0.3027, 0.2504
Android (android.graphics.Color)	4292518890 (0xFFDAA3EA)
YUV	187.5390, 22.9053, 26.7143
Hunter-Lab	68.5859, 27.9711, -24.5658

Details

The Yxy color $47.0403, 0.3027, 0.2504$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.1026, 0.3191, 0.4152$, and the grayscale version is $49.8796, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $22.2646, 0.2988, 0.2324$ is the 20% darker color. If you saturate the color by 10%, you get $38.6842, 0.2982, 0.2238$, and if you desaturate by 10%, it is $56.9643, 0.3066, 0.2772$.

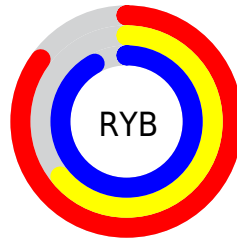
Distribution



Red (85%)

Green (64%)

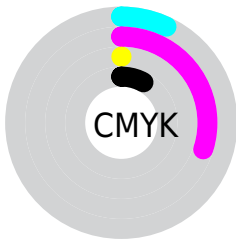
Blue (92%)



Red (85%)

Yellow (64%)

Blue (92%)

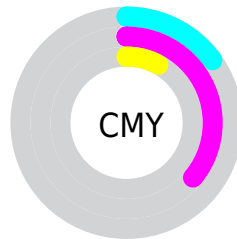


Cyan (7%)

Magenta (30%)

Yellow (0%)

Black (8%)



Cyan (15%)


Magenta (36%)


Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0403, 0.3027, 0.2504 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 47.0403, 0.3027, 0.2504 by changing the saturation by 10% instead.


 47.0403, 0.3027,
0.2504


 47.0403, 0.3027,
0.2504


374.9754, 0.3085,
0.2871

 33.0675, 0.3011,
0.2420


 85.7738, 0.3050,
0.2632

 22.1782, 0.2989,
0.2317


 111.3033, 0.3058,
0.2681

 13.9879, 0.2959,
0.2186


141.4538, 0.3064,
0.2724

 8.1122, 0.2914,
0.2016

176.6097, 0.3070,
0.2761

 4.1668, 0.2846,
0.1789

217.1554, 0.3075,
0.2793

 1.7673, 0.2729,
0.1473

263.4753, 0.3079,

 0.4667, 0.2538,

0.2822

0.0911

315.9538, 0.3082,
0.2848

0.0000, 0.1255,
0.0000

0.0000, 0.0000,
0.0000

47.0403, 0.3027,
0.2504

47.0403, 0.3027,
0.2504

38.6842, 0.2982,
0.2238

56.9643, 0.3066,
0.2772

31.8047, 0.2930,
0.1984

68.5287, 0.3099,
0.3033

26.3104, 0.2874,
0.1752

81.8090, 0.3126,
0.3281

22.0970, 0.2814,
0.1555

95.8380, 0.3149,
0.3499

■ 19.0454, 0.2753,
0.1400

■ 96.7723, 0.3182,
0.3497

■ 17.0134, 0.2692,
0.1291

■ 97.7337, 0.3216,
0.3495

■ 15.7888, 0.2635,
0.1225

■ 98.7224, 0.3250,
0.3493

■ 98.7229, 0.3250,
0.3493

Harmonies

Analogous

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



47.0403, 0.2500, 0.2362



47.0403, 0.3027, 0.2504



47.0403, 0.3636, 0.2812

Triad

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



47.0403, 0.3027, 0.2504



47.0403, 0.4150, 0.4111



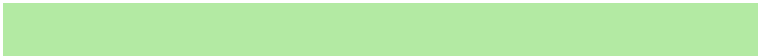
47.0403, 0.2208, 0.3227

Complementary

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



47.0403, 0.3027, 0.2504



71.1026, 0.3191, 0.4152

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.



47.0403, 0.2588, 0.3838



47.0403, 0.3027, 0.2504



47.0403, 0.3709, 0.4362

Square

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



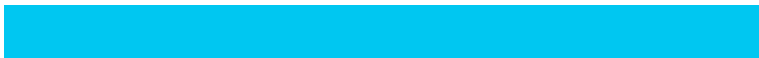
47.0403, 0.3027, 0.2504



47.0403, 0.4317, 0.3691



47.0403, 0.3135, 0.4284



47.0403, 0.2065, 0.2715

Rectangle

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



47.0403, 0.3027, 0.2504



47.0403, 0.3991, 0.3083



47.0403, 0.3135, 0.4284



47.0403, 0.2310, 0.3431

Sweetspot

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



47.0423, 0.3027, 0.2504



85.2515, 0.3103, 0.3066



46.2013, 0.2614, 0.2614



17.7718, 0.3099, 0.3029



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.



47.0423, 0.3027, 0.2504



51.0231, 0.3001, 0.2349



48.6052, 0.3323, 0.2722



15.1323, 0.3102, 0.3055



8.9276, 0.2644, 0.1230



0.7430, 0.2726, 0.1275

Inverse Universe

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



46.9504, 0.3656, 0.3110



50.9834, 0.3800, 0.3074



70.0309, 0.2977, 0.3935



15.1098, 0.3257, 0.3237



9.9891, 0.6000, 0.3079



0.7987, 0.5616, 0.2867

Previews

White Background



This preview shows how the Yxy color 47.0403, 0.3027, 0.2504 looks on a white background.

Color Contrast Check

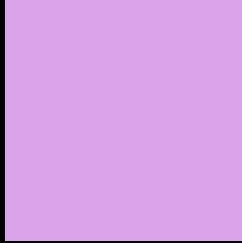
Large Text (above 18pt) WCAG AA × Fail

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 47.0403, 0.3027, 0.2504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

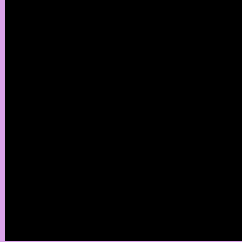
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0403, 0.3027, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 47.0403, 0.3027, 0.2504.



This preview shows how white text looks on a background with the Yxy color 47.0403, 0.3027, 0.2504.

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

47.0403, 0.3027, 0.2504

Protanopia

47.2504, 0.2545, 0.2484

Deuteranopia

47.1237, 0.2717, 0.2655



Tritanopia

46.8991, 0.3360, 0.3122

Trichromacy



Original Color

47.0403, 0.3027, 0.2504



Protanomaly

46.8733, 0.2707, 0.2491



Deuteranomaly

46.7897, 0.2826, 0.2593



Tritanomaly

46.9839, 0.3244, 0.2892

Monochromacy



Original Color

47.0403, 0.3027, 0.2504



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.7901, 0.3091, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0403, 0.3027, 0.2504 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(218, 163, 234)` looks like.

```
.text, #text, p{  
    color:rgb(218, 163, 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(218, 163, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 163, 234) }
```

Border

The CSS property to change the border of an element to Yxy 47.0403, 0.3027, 0.2504 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(218, 163, 234) }
```

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

```
.border{ border-color:rgb(218, 163, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 163, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 163, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 163, 234);  
box-shadow:4px 4px 4px 4px rgb(218, 163,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0403, 0.3027, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 163, 234) }
```

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

```
.background{ background-color: rgb(218,  
163, 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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