

Converting Colors

$Y_{xy}(46.5723, 0.3002, 0.2507)$

Have a look what the booklet for
Yxy(46.5723, 0.3002, 0.2507)
contains.

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Color

Yxy(46.3737, 0.3002, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	D6A3E9
RGB	214, 163, 233
RGB Percent	84%, 64%, 91%
CMY	0.1605, 0.3609, 0.0862
CMYK	0.08, 0.30, 0.00, 0.09
HSL	284°, 61%, 78%
HSV	284°, 30%, 91%
XYZ	55.5522, 46.3737, 83.1248
YIQ	186.2290, 7.9260, 32.5820

Conversions

Conversions Part 2

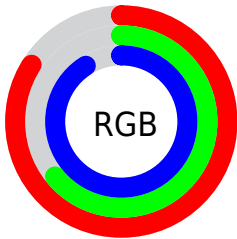
Format	Color
RYB	214, 163, 233
Decimal	14066665
CIELab	73.79, 31.03, -27.98
CIELCh	74, 41.786, 317.956
Yxy	46.3737, 0.3002, 0.2506
Android (android.graphics.Color)	4292256745 (0xFFD6A3E9)
YUV	186.2290, 23.0581, 24.3552
Hunter-Lab	68.0982, 26.4423, -24.7041

Details

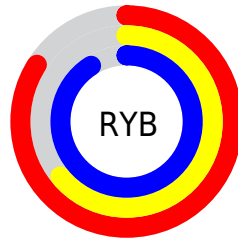
The Yxy color $46.3737, 0.3002, 0.2506$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.8660, 0.3212, 0.4137$, and the grayscale version is $49.1061, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $21.8123, 0.2953, 0.2323$ is the 20% darker color. If you saturate the color by 10%, you get $37.9203, 0.2946, 0.2235$, and if you desaturate by 10%, it is $56.3920, 0.3051, 0.2777$.

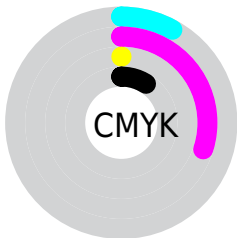
Distribution



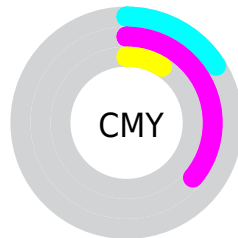
- Red (84%)
- Green (64%)
- Blue (91%)



- Red (84%)
- Yellow (64%)
- Blue (91%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (9%)





- Cyan (16%)
- Magenta (36%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3737, 0.3002, 0.2506 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 46.3737, 0.3002, 0.2506 by changing the saturation by 10% instead.

 46.3737, 0.3002,
0.2506


 46.3737, 0.3002,
0.2506


372.3090, 0.3072,
0.2873

 32.5408, 0.2983,
0.2422

 84.7780, 0.3029,
0.2634

 21.7749, 0.2957,
0.2318


 110.1182, 0.3039,
0.2684

 13.6916, 0.2922,
0.2186


140.0630, 0.3047,
0.2726

 7.9065, 0.2871,
0.2015

174.9967, 0.3053,
0.2763

 4.0352, 0.2793,
0.1784

215.3038, 0.3059,
0.2796

 1.6933, 0.2662,
0.1463

261.3686, 0.3064,

 0.4193, 0.2455,

0.2825

0.0860

313.5755, 0.3069,
0.2850

0.0000, 0.0779,
0.0000

0.0000, 0.0000,
0.0000

46.3737, 0.3002,
0.2506

46.3737, 0.3002,
0.2506

37.9203, 0.2946,
0.2235

56.3920, 0.3051,
0.2777

30.9418, 0.2882,
0.1973

68.0473, 0.3092,
0.3040

25.3476, 0.2814,
0.1732

81.4139, 0.3127,
0.3289

21.0350, 0.2741,
0.1524

95.8041, 0.3156,
0.3509

■ 17.8862, 0.2667,
0.1358

■ 96.9224, 0.3196,
0.3506

■ 15.7615, 0.2594,
0.1240

■ 98.0793, 0.3236,
0.3504

■ 14.4270, 0.2524,
0.1164

■ 98.6641, 0.3256,
0.3503

Harmonies

Analogous

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



46.3737, 0.2491, 0.2375



46.3737, 0.3002, 0.2506



46.3737, 0.3600, 0.2803

Triad

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



46.3737, 0.3002, 0.2506



46.3737, 0.4147, 0.4081



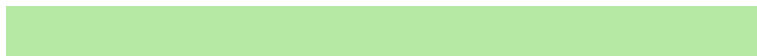
46.3737, 0.2236, 0.3257

Complementary

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



46.3737, 0.3002, 0.2506



70.8660, 0.3212, 0.4137

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.



46.3737, 0.2621, 0.3853



46.3737, 0.3002, 0.2506



46.3737, 0.3724, 0.4337

Square

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



46.3737, 0.3002, 0.2506



46.3737, 0.4295, 0.3665



46.3737, 0.3163, 0.4277



46.3737, 0.2083, 0.2745

Rectangle

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



46.3737, 0.3002, 0.2506



46.3737, 0.3954, 0.3067



46.3737, 0.3163, 0.4277



46.3737, 0.2341, 0.3457

Sweetspot

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



46.3757, 0.3002, 0.2506



85.0627, 0.3096, 0.3066



47.4607, 0.2624, 0.2667



17.7251, 0.3091, 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.



46.3757, 0.3002, 0.2506



50.3355, 0.2968, 0.2339



48.5654, 0.3290, 0.2693



15.0970, 0.3095, 0.3055



8.2491, 0.2534, 0.1170



0.6947, 0.2631, 0.1223

Inverse Universe

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



46.8861, 0.3618, 0.3077



51.1579, 0.3760, 0.3032



69.2909, 0.2998, 0.3973



15.1210, 0.3250, 0.3226



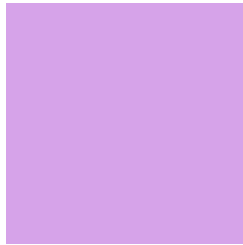
10.0514, 0.5860, 0.3002



0.8049, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 46.3737, 0.3002, 0.2506 looks on a white background.

Color Contrast Check

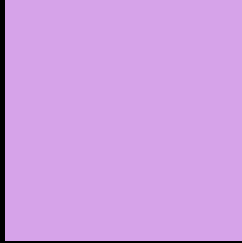
Large Text (above 18pt) WCAG AA × Fail

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 46.3737, 0.3002, 0.2506 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 46.3737, 0.3002, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 46.3737, 0.3002, 0.2506.



This preview shows how white text looks on a background with the Yxy color 46.3737, 0.3002, 0.2506.

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

46.3737, 0.3002, 0.2506

Protanopia

46.6193, 0.2548, 0.2490

Deuteranopia

46.5526, 0.2715, 0.2652



Tritanopia

46.3156, 0.3324, 0.3120

Trichromacy



Original Color

46.3737, 0.3002, 0.2506

Protanomaly

46.1831, 0.2697, 0.2486

Deuteranomaly

46.4755, 0.2817, 0.2600

Tritanomaly

46.3894, 0.3208, 0.2887

Monochromacy



Original Color

46.3737, 0.3002, 0.2506

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.8883, 0.3082, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3737, 0.3002, 0.2506 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(214, 163, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 163, 233)  
}
```

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(214, 163, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 163, 233) }
```

Border

The CSS property to change the border of an element to Yxy 46.3737, 0.3002, 0.2506 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(214, 163, 233) }
```

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

```
.border{ border-color:rgb(214, 163, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 163, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 163, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 163, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 163,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3737, 0.3002, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 163, 233) }
```

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

```
.background{ background-color: rgb(214,  
163, 233) }
```

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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