

Converting Colors

$Y_{xy}(37.1418, 0.2994, 0.2410)$

Have a look what the booklet for
Yxy(37.1418, 0.2994, 0.2410)
contains.

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Color

Yxy(37.1506, 0.2991, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	C790DA
RGB	199, 144, 218
RGB Percent	78%, 56%, 85%
CMY	0.2196, 0.4353, 0.1451
CMYK	0.09, 0.34, 0.00, 0.15
HSL	285°, 50%, 71%
HSV	285°, 34%, 85%
XYZ	46.1835, 37.1506, 71.0741
YIQ	168.8810, 9.0260, 34.6740

Conversions

Conversions Part 2

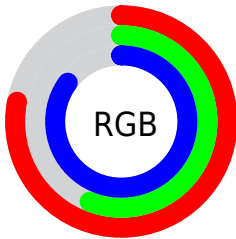
Format	Color
R _Y B	199, 144, 218
Decimal	13078746
CIE Lab	67.39, 33.65, -29.72
CIE LCh	67, 44.890, 318.548
Yxy	37.1506, 0.2991, 0.2406
Android (android.graphics.Color)	4291268826 (0xFFC790DA)
YUV	168.8810, 24.2157, 26.4144
Hunter-Lab	60.9513, 28.5867, -26.4710

Details

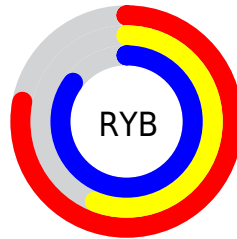
The Yxy color **37.1506, 0.2991, 0.2406** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **59.9499, 0.3213, 0.4260**, and the grayscale version is **39.4903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8682, 0.3153, 0.2732**, and **16.4023, 0.2934, 0.2185** is the 20% darker color. If you saturate the color by 10%, you get **30.4218, 0.2936, 0.2140**, and if you desaturate by 10%, it is **45.1859, 0.3039, 0.2676**.

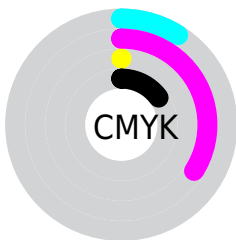
Distribution



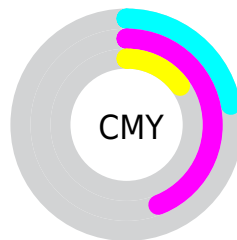
- Red (78%)
- Green (56%)
- Blue (85%)



- Red (78%)
- Yellow (56%)
- Blue (85%)



- Cyan (9%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)





- Cyan (22%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1506, 0.2991, 0.2406 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 37.1506, 0.2991, 0.2406 by changing the saturation by 10% instead.


 37.1506, 0.2991,
0.2406


 37.1506, 0.2991,
0.2406

333.9621, 0.3071,
0.2832

 25.3241, 0.2968,
0.2306


 70.8043, 0.3023,
0.2556

 16.3187, 0.2936,
0.2180


 93.4004, 0.3034,
0.2614

 9.7500, 0.2890,
0.2020


120.3551, 0.3043,
0.2664

 5.2335, 0.2823,
0.1808

152.0528, 0.3051,
0.2706

 2.3849, 0.2713,
0.1520

188.8780, 0.3057,
0.2744

 0.8181, 0.2517,
0.1114

231.2150, 0.3063,

 0.0000, 0.2144,

0.2776

0.0000

279.4482, 0.3067,
0.2806

0.0000, 0.0000,
0.0000

37.1506, 0.2991,
0.2406

37.1506, 0.2991,
0.2406

30.4218, 0.2936,
0.2140

45.1859, 0.3039,
0.2676

24.9207, 0.2874,
0.1888

54.5910, 0.3081,
0.2941

20.5674, 0.2808,
0.1661


65.4307, 0.3115,
0.3194

17.2704, 0.2739,
0.1471


77.7643, 0.3144,
0.3432


14.9239, 0.2669,
0.1325

91.6477, 0.3166,
0.3652

 13.3995, 0.2601,
0.1227

 93.8384, 0.3201,
0.3668

 12.7470, 0.2560,
0.1184

 94.7935, 0.3236,
0.3663

 95.7787, 0.3272,
0.3659

 96.7944, 0.3309,
0.3655

Harmonies

Analogous

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



37.1506, 0.2407, 0.2253



37.1506, 0.2991, 0.2406



37.1506, 0.3684, 0.2741

Triad

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



37.1506, 0.2991, 0.2406



37.1506, 0.4286, 0.4190



37.1506, 0.2102, 0.3228

Complementary

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



37.1506, 0.2991, 0.2406



59.9499, 0.3213, 0.4260

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.



37.1506, 0.2528, 0.3935



37.1506, 0.2991, 0.2406



37.1506, 0.3789, 0.4501

Square

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



37.1506, 0.2991, 0.2406



37.1506, 0.4475, 0.3710



37.1506, 0.3144, 0.4442



37.1506, 0.1941, 0.2646

Rectangle

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



37.1506, 0.2991, 0.2406



37.1506, 0.4094, 0.3038



37.1506, 0.3144, 0.4442



37.1506, 0.2216, 0.3463

Sweetspot

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



37.1522, 0.2991, 0.2406



83.5749, 0.3095, 0.3040



37.4487, 0.2553, 0.2557



17.4311, 0.3090, 0.3004



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.



37.1522, 0.2991, 0.2406



45.6955, 0.2951, 0.2208



39.0588, 0.3327, 0.2630



13.0978, 0.3097, 0.3057



7.6898, 0.2570, 0.1189



0.5385, 0.2679, 0.1249

Inverse Universe

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



37.4984, 0.3715, 0.3061



46.4028, 0.3905, 0.3011



58.6611, 0.2976, 0.4057



13.1061, 0.3251, 0.3230



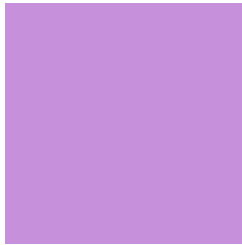
9.1157, 0.5898, 0.3022



0.6045, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 37.1506, 0.2991, 0.2406 looks on a white background.

Color Contrast Check

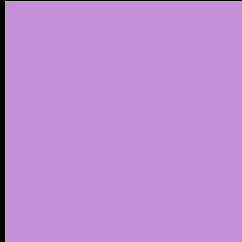
Large Text (above 18pt) WCAG AA × Fail

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 37.1506, 0.2991, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

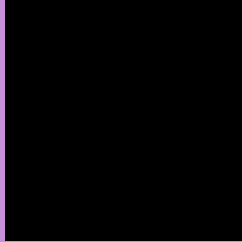
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1506, 0.2991, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 37.1506, 0.2991, 0.2406.



This preview shows how white text looks on a background with the Yxy color 37.1506, 0.2991, 0.2406.

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

37.1506, 0.2991, 0.2406

Protanopia

37.5065, 0.2459, 0.2376

Deuteranopia

37.5193, 0.2637, 0.2581



Tritanopia

36.9407, 0.3384, 0.3131

Trichromacy



Original Color

37.1506, 0.2991, 0.2406



Protanomaly

36.7753, 0.2624, 0.2371



Deuteranomaly

36.9466, 0.2757, 0.2503



Tritanomaly

36.7848, 0.3237, 0.2841

Monochromacy



Original Color

37.1506, 0.2991, 0.2406



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

38.4328, 0.3079, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1506, 0.2991, 0.2406 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, 144, 218)` looks like.

```
.text, #text, p{  
    color:rgb(199, 144, 218)  
}
```

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, 144, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 144, 218) }
```

Border

The CSS property to change the border of an element to Yxy 37.1506, 0.2991, 0.2406 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, 144, 218) }
```

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

```
.border{ border-color:rgb(199, 144, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 144, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 144, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 144, 218);  
box-shadow:4px 4px 4px 4px rgb(199, 144,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1506, 0.2991, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 144, 218) }
```

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

```
.background{ background-color: rgb(199,  
144, 218) }
```

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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