

Converting Colors

$Y_{xy}(29.8731, 0.3734, 0.2579)$

Have a look what the booklet for
Yxy(29.8731, 0.3734, 0.2579)
contains.

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Color

Yxy(29.8770, 0.3740, 0.2583)

Conversions

Conversions Part 1

Format	Color
Hex	DE6FAC
RGB	222, 111, 172
RGB Percent	87%, 44%, 67%
CMY	0.1294, 0.5647, 0.3254
CMYK	0.00, 0.50, 0.23, 0.13
HSL	327°, 63%, 65%
HSV	327°, 50%, 87%
XYZ	43.2598, 29.8770, 42.5311
YIQ	151.1430, 46.5750, 42.5030

Conversions

Conversions Part 2

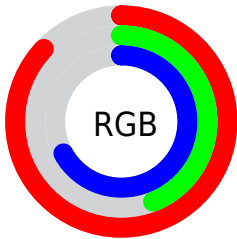
Format	Color
RYB	222, 111, 172
Decimal	14577580
CIELab	61.55, 50.35, -12.50
CIELCh	62, 51.877, 346.062
Yxy	29.8770, 0.3740, 0.2583
Android (android.graphics.Color)	4292767660 (0xFFDE6FAC)
YUV	151.1430, 10.2825, 62.1416
Hunter-Lab	54.6599, 45.6165, -7.8719

Details

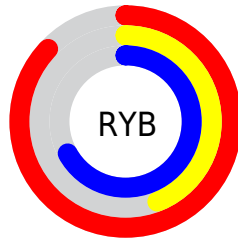
The Yxy color $29.8770, 0.3740, 0.2583$ is a light color, and the websafe version is hex `CC6699`. A complement of this color would be $58.2001, 0.2790, 0.4152$, and the grayscale version is $30.9525, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.0785, 0.3398, 0.2673$, and $12.1748, 0.3923, 0.2369$ is the 20% darker color. If you saturate the color by 10%, you get $25.2514, 0.3926, 0.2466$, and if you desaturate by 10%, it is $35.7381, 0.3575, 0.2719$.

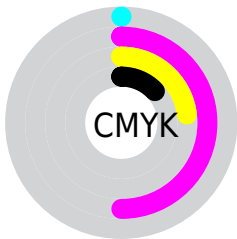
Distribution



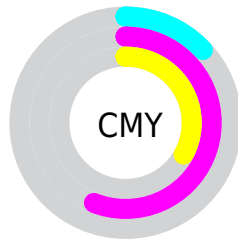
- Red (87%)
- Green (44%)
- Blue (67%)



- Red (87%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (50%)
- Yellow (23%)
- Black (13%)



- Cyan (13%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8770, 0.3740, 0.2583 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 29.8770, 0.3740, 0.2583 by changing the saturation by 10% instead.


 29.8770, 0.3740,
0.2583


 29.8770, 0.3740,
0.2583


301.3307, 0.3422,
0.2941


 19.7452, 0.3823,
0.2493


 59.4676, 0.3622,
0.2714

 12.2100, 0.3931,
0.2376


 79.6952, 0.3578,
0.2763

 6.8869, 0.4079,
0.2220


 104.0570, 0.3542,
0.2804

 3.3914, 0.4292,
0.2004

 132.9372, 0.3511,
0.2840

 1.3393, 0.4622,
0.1684

166.7203, 0.3484,
0.2870

 0.1714, 0.5519,
0.0622

205.7906, 0.3461,

 0.0000, 1.0000,

0.2897

0.0000

250.5326, 0.3440,
0.2921

0.0000, 0.0000,
0.0000

29.8770, 0.3740,
0.2583

29.8770, 0.3740,
0.2583

25.2514, 0.3926,
0.2466

35.7381, 0.3575,
0.2719

21.7655, 0.4130,
0.2379

42.9126, 0.3433,
0.2865

19.3163, 0.4345,
0.2336

51.4768, 0.3313,
0.3011

17.7797, 0.4562,
0.2345

61.5003, 0.3212,
0.3154

16.9380, 0.4772,
0.2402

73.0475, 0.3127,
0.3290

■ 86.1794, 0.3057,
0.3417

■ 93.4620, 0.2999,
0.3422

■ 94.0792, 0.2945,
0.3320

■ 94.2714, 0.2929,
0.3289

Harmonies

Analogous

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



29.8770, 0.2882, 0.2206



29.8770, 0.3740, 0.2583



29.8770, 0.4484, 0.3109

Triad

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



29.8770, 0.3740, 0.2583



29.8770, 0.3964, 0.4758



29.8770, 0.1707, 0.2528

Complementary

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



29.8770, 0.3740, 0.2583



58.2001, 0.2790, 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.



29.8770, 0.1911, 0.3264



29.8770, 0.3740, 0.2583



29.8770, 0.3185, 0.4782

Square

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



29.8770, 0.3740, 0.2583



29.8770, 0.4564, 0.4301



29.8770, 0.2433, 0.4178



29.8770, 0.1808, 0.2133

Rectangle

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



29.8770, 0.3740, 0.2583



29.8770, 0.4746, 0.3502



29.8770, 0.2433, 0.4178



29.8770, 0.1740, 0.2737

Sweetspot

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



29.8785, 0.3740, 0.2583



76.9170, 0.3261, 0.3082



24.2139, 0.2586, 0.1866



15.8505, 0.3283, 0.3051



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.



29.8785, 0.3740, 0.2583



34.3129, 0.3935, 0.2461



28.1724, 0.4470, 0.3229



13.8260, 0.3206, 0.3162



10.0824, 0.4742, 0.2386



0.7168, 0.4441, 0.2220

Inverse Universe

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



29.8785, 0.3740, 0.2583



34.3129, 0.3935, 0.2461



60.6095, 0.2503, 0.3361



13.8260, 0.3206, 0.3162



10.0824, 0.4742, 0.2386



0.7168, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 29.8770, 0.3740, 0.2583 looks on a white background.

Color Contrast Check

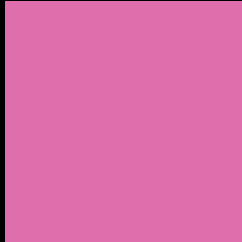
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8770, 0.3740, 0.2583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

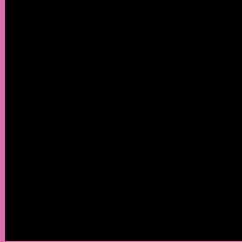
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8770, 0.3740, 0.2583

Background



This preview shows how black text looks on a background with the Yxy color 29.8770, 0.3740, 0.2583.



This preview shows how white text looks on a background with the Yxy color 29.8770, 0.3740, 0.2583.

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

29.8770, 0.3740, 0.2583

Protanopia

30.0496, 0.2595, 0.2556

Deuteranopia

30.0719, 0.3040, 0.2976



Tritanopia

29.9233, 0.4213, 0.3184

Trichromacy



Original Color

29.8770, 0.3740, 0.2583

Protanomaly

28.8965, 0.2947, 0.2539

Deuteranomaly

29.3055, 0.3281, 0.2805

Tritanomaly

29.8270, 0.4032, 0.2956

Monochromacy



Original Color

29.8770, 0.3740, 0.2583

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.4586, 0.3340, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8770, 0.3740, 0.2583 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(222, 111, 172)` looks like.

```
.text, #text, p{  
    color:rgb(222, 111, 172)  
}
```

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(222, 111, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 111, 172) }
```

Border

The CSS property to change the border of an element to Yxy 29.8770, 0.3740, 0.2583 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(222, 111, 172) }
```

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

```
.border{ border-color:rgb(222, 111, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 111, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 111, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 111, 172);  
box-shadow:4px 4px 4px 4px rgb(222, 111,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8770, 0.3740, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 111, 172) }
```

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

```
.background{ background-color: rgb(222,  
111, 172) }
```

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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