

Converting Colors

$Y_{xy}(33.7047, 0.3632, 0.2779)$

Have a look what the booklet for
Yxy(33.7047, 0.3632, 0.2779)
contains.

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Color

Yxy(33.7341, 0.3630, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	D982AD
RGB	217, 130, 173
RGB Percent	85%, 51%, 68%
CMY	0.1490, 0.4902, 0.3215
CMYK	0.00, 0.40, 0.20, 0.15
HSL	330°, 53%, 68%
HSV	330°, 40%, 85%
XYZ	44.1438, 33.7341, 43.7303
YIQ	160.9150, 38.0490, 31.8170

Conversions

Conversions Part 2

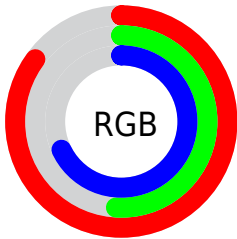
Format	Color
R _Y B	217, 130, 173
Decimal	14254765
CIE Lab	64.75, 39.15, -8.33
CIE LCh	65, 40.023, 347.980
Yxy	33.7341, 0.3630, 0.2774
Android (android.graphics.Color)	4292444845 (0xFFD982AD)
YUV	160.9150, 5.9579, 49.1865
Hunter-Lab	58.0811, 34.0247, -3.9838

Details

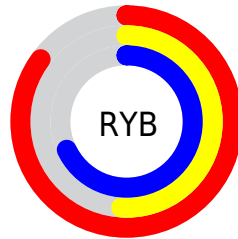
The Yxy color **33.7341, 0.3630, 0.2774** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.4305, 0.2814, 0.3880**, and the grayscale version is **35.5588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1424, 0.3368, 0.2845**, and **14.3028, 0.3777, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **28.1514, 0.3817, 0.2651**, and if you desaturate by 10%, it is **40.5722, 0.3469, 0.2905**.

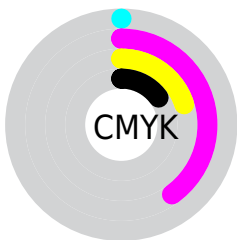
Distribution



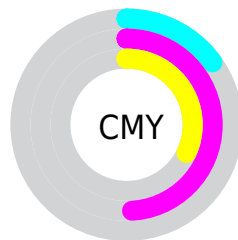
- Red (85%)
- Green (51%)
- Blue (68%)



- Red (85%)
- Yellow (51%)
- Blue (68%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (15%)



- Cyan (15%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7341, 0.3630, 0.2774 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 33.7341, 0.3630, 0.2774 by changing the saturation by 10% instead.

 33.7341, 0.3630,
0.2774


 33.7341, 0.3630,
0.2774


318.9448, 0.3370,
0.3036


 22.6894, 0.3697,
0.2708


 65.5200, 0.3534,
0.2870

 14.3643, 0.3785,
0.2622


 87.0299, 0.3498,
0.2906

 8.3745, 0.3905,
0.2507


 112.7971, 0.3468,
0.2936

 4.3355, 0.4078,
0.2346

143.2058, 0.3443,
0.2961

 1.8630, 0.4346,
0.2104

178.6406, 0.3421,
0.2984

 0.5260, 0.4883,
0.1589

219.4857, 0.3402,


 0.0000, 1.0000,


0.3003


0.0000

266.1257, 0.3385,
0.3020

 0.0000, 0.0000,
0.0000


 33.7341, 0.3630,
0.2774


 33.7341, 0.3630,
0.2774


 28.1514, 0.3817,
0.2651


 40.5722, 0.3469,
0.2905


 23.7412, 0.4031,
0.2546


 48.7321, 0.3334,
0.3038

 20.4182, 0.4267,
0.2472

 58.2812, 0.3221,
0.3167

 18.0835, 0.4516,
0.2441


 69.2810, 0.3128,
0.3289


 16.6195, 0.4767,
0.2462

 81.7892, 0.3051,
0.3403

 15.8207, 0.5005,
0.2531

 92.4956, 0.2987,
0.3456

 93.1633, 0.2928,
0.3342

 93.4928, 0.2900,
0.3289

Harmonies

Analogous

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



33.7341, 0.2993, 0.2462



33.7341, 0.3630, 0.2774



33.7341, 0.4157, 0.3203

Triad

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



33.7341, 0.3630, 0.2774



33.7341, 0.3756, 0.4404



33.7341, 0.2024, 0.2707

Complementary

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



33.7341, 0.3630, 0.2774



57.4305, 0.2814, 0.3880

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.



33.7341, 0.2182, 0.3250



33.7341, 0.3630, 0.2774



33.7341, 0.3161, 0.4347

Square

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



33.7341, 0.3630, 0.2774



33.7341, 0.4208, 0.4124



33.7341, 0.2586, 0.3892



33.7341, 0.2118, 0.2396

Rectangle

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



33.7341, 0.3630, 0.2774



33.7341, 0.4341, 0.3521



33.7341, 0.2586, 0.3892



33.7341, 0.2048, 0.2866

Sweetspot

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



33.7357, 0.3630, 0.2774



81.0500, 0.3242, 0.3141



29.9167, 0.2759, 0.2181



16.9464, 0.3257, 0.3124



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.



33.7357, 0.3630, 0.2774



41.7815, 0.3784, 0.2670



32.3294, 0.4138, 0.3293



13.1583, 0.3215, 0.3175



9.5976, 0.4973, 0.2513



0.6392, 0.4609, 0.2313

Inverse Universe

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



33.7357, 0.3630, 0.2774



41.7815, 0.3784, 0.2670



59.3852, 0.2577, 0.3288



13.1583, 0.3215, 0.3175



9.5976, 0.4973, 0.2513



0.6392, 0.4609, 0.2313

Previews

White Background



This preview shows how the Yxy color 33.7341, 0.3630, 0.2774 looks on a white background.

Color Contrast Check

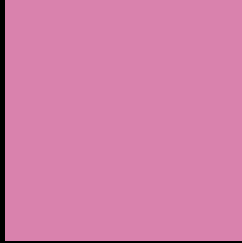
Large Text (above 18pt) WCAG AA × Fail

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 33.7341, 0.3630, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

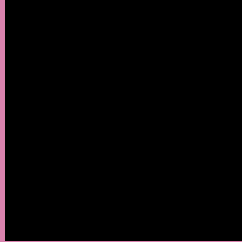
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7341, 0.3630, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 33.7341, 0.3630, 0.2774.



This preview shows how white text looks on a background with the Yxy color 33.7341, 0.3630, 0.2774.

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

33.7341, 0.3630, 0.2774

Protanopia

33.9787, 0.2785, 0.2803

Deuteranopia

33.9719, 0.3128, 0.3062



Tritanopia

33.6684, 0.3906, 0.3168

Trichromacy



Original Color

33.7341, 0.3630, 0.2774

Protanomaly

33.3268, 0.3052, 0.2784

Deuteranomaly

33.5922, 0.3308, 0.2953

Tritanomaly

33.5887, 0.3807, 0.3021

Monochromacy



Original Color

33.7341, 0.3630, 0.2774

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.3531, 0.3299, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7341, 0.3630, 0.2774 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(217, 130, 173)` looks like.

```
.text, #text, p{  
    color:rgb(217, 130, 173)  
}
```

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(217, 130, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 130, 173) }
```

Border

The CSS property to change the border of an element to Yxy 33.7341, 0.3630, 0.2774 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(217, 130, 173) }
```

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

```
.border{ border-color:rgb(217, 130, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 130, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 130, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 130, 173);  
box-shadow:4px 4px 4px 4px rgb(217, 130,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7341, 0.3630, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 130, 173) }
```

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

```
.background{ background-color: rgb(217,  
130, 173) }
```

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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