

Converting Colors

$Y_{xy}(33.3230, 0.3273, 0.2373)$

Have a look what the booklet for
Yxy(33.3230, 0.3273, 0.2373)
contains.

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Color

Yxy(33.3230, 0.3273, 0.2373)

Conversions

Conversions Part 1

Format	Color
Hex	D67DCC
RGB	214, 125, 204
RGB Percent	84%, 49%, 80%
CMY	0.1608, 0.5098, 0.2000
CMYK	0.00, 0.42, 0.05, 0.16
HSL	307°, 52%, 66%
HSV	307°, 42%, 84%
XYZ	45.9613, 33.3230, 61.1413
YIQ	160.6170, 27.6850, 43.4370

Conversions

Conversions Part 2

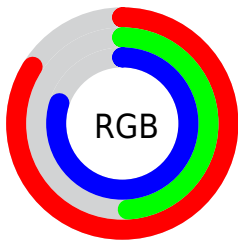
Format	Color
RYB	214, 125, 204
Decimal	14056908
CIELab	64.42, 45.81, -26.34
CIELCh	64, 52.843, 330.098
Yxy	33.3230, 0.3273, 0.2373
Android (android.graphics.Color)	4292246988 (0xFFD67DCC)
YUV	160.6170, 21.3878, 46.8169
Hunter-Lab	57.7261, 41.1005, -22.3895

Details

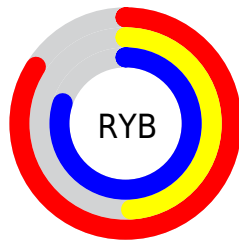
The Yxy color **33.3230, 0.3273, 0.2373** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.1950, 0.3010, 0.4424**, and the grayscale version is **35.3447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **14.2362, 0.3298, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **28.3629, 0.3316, 0.2174**, and if you desaturate by 10%, it is **39.4549, 0.3233, 0.2589**.

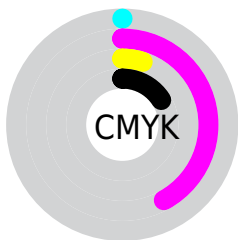
Distribution



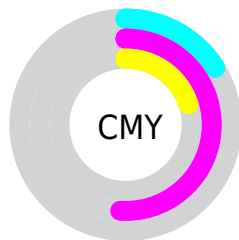
- Red (84%)
- Green (49%)
- Blue (80%)



- Red (84%)
- Yellow (49%)
- Blue (80%)



- Cyan (0%)
- Magenta (42%)
- Yellow (5%)
- Black (16%)





- Cyan (16%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3230, 0.3273, 0.2373 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 33.3230, 0.3273, 0.2373 by changing the saturation by 10% instead.


 33.3230, 0.3273,
0.2373


 33.3230, 0.3273,
0.2373


317.1027, 0.3212,
0.2818


 22.3740, 0.3285,
0.2267


 64.8795, 0.3253,
0.2531

 14.1320, 0.3297,
0.2134


 86.2558, 0.3245,
0.2592

 8.2125, 0.3311,
0.1962


 111.8766, 0.3238,
0.2643

 4.2312, 0.3322,
0.1735

142.1263, 0.3232,
0.2688

 1.8037, 0.3323,
0.1423

177.3894, 0.3226,
0.2727

 0.4895, 0.3322,
0.0892

218.0503, 0.3221,

 0.0000, 0.3097,

0.2761

0.0000

264.4932, 0.3216,
0.2791

0.0000, 0.0000,
0.0000

33.3230, 0.3273,
0.2373

33.3230, 0.3273,
0.2373

28.3629, 0.3316,
0.2174

39.4549, 0.3233,
0.2589

24.4944, 0.3360,
0.2003

46.8230, 0.3195,
0.2813

21.6345, 0.3404,
0.1867

55.4924, 0.3162,
0.3038

19.6861, 0.3446,
0.1773

65.5223, 0.3132,
0.3256

18.5334, 0.3485,
0.1724

76.9683, 0.3105,
0.3465

■ 18.0111, 0.3517,
0.1711

■ 89.8829, 0.3083,
0.3661

■ 91.0237, 0.3069,
0.3651

■ 91.1524, 0.3055,
0.3625

■ 91.2829, 0.3042,
0.3599

Harmonies

Analogous

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



33.3230, 0.2498, 0.2107



33.3230, 0.3273, 0.2373



33.3230, 0.4108, 0.2824

Triad

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



33.3230, 0.3273, 0.2373



33.3230, 0.4302, 0.4529



33.3230, 0.1796, 0.2889

Complementary

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



33.3230, 0.3273, 0.2373



54.1950, 0.3010, 0.4424

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.



33.3230, 0.2168, 0.3746



33.3230, 0.3273, 0.2373



33.3230, 0.3606, 0.4816

Square

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



33.3230, 0.3273, 0.2373



33.3230, 0.4715, 0.3982



33.3230, 0.2824, 0.4546



33.3230, 0.1738, 0.2318

Rectangle

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



33.3230, 0.3273, 0.2373



33.3230, 0.4530, 0.3190



33.3230, 0.2824, 0.4546



33.3230, 0.1884, 0.3152

Sweetspot

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



33.3245, 0.3273, 0.2373



81.7876, 0.3163, 0.3026



24.5859, 0.2427, 0.2037



17.1204, 0.3167, 0.2996



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.



33.3245, 0.3273, 0.2373



42.9015, 0.3311, 0.2195



31.5236, 0.3755, 0.2855



12.6076, 0.3155, 0.3086



10.8981, 0.3512, 0.1708



0.6643, 0.3453, 0.1676

Inverse Universe

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



33.3245, 0.3273, 0.2373



42.9015, 0.3311, 0.2195



55.6764, 0.2757, 0.3783



12.6076, 0.3155, 0.3086



10.8981, 0.3512, 0.1708



0.6643, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 33.3230, 0.3273, 0.2373 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 33.3230, 0.3273, 0.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

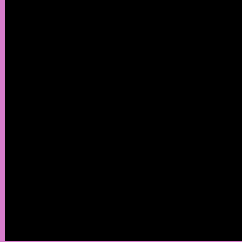
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3230, 0.3273, 0.2373

Background



This preview shows how black text looks on a background with the Yxy color 33.3230, 0.3273, 0.2373.



This preview shows how white text looks on a background with the Yxy color 33.3230, 0.3273, 0.2373.

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

33.3230, 0.3273, 0.2373

Protanopia

33.5887, 0.2408, 0.2314

Deuteranopia

33.7188, 0.2714, 0.2657



Tritanopia

33.2633, 0.3800, 0.3164

Trichromacy



Original Color

33.3230, 0.3273, 0.2373



Protanomaly

32.3883, 0.2663, 0.2307



Deuteranomaly

32.7462, 0.2893, 0.2520



Tritanomaly

33.3038, 0.3605, 0.2856

Monochromacy



Original Color

33.3230, 0.3273, 0.2373



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.0574, 0.3176, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3230, 0.3273, 0.2373 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, 125, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 125, 204)  
}
```

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, 125, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 125, 204) }
```

Border

The CSS property to change the border of an element to Yxy 33.3230, 0.3273, 0.2373 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, 125, 204) }
```

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

```
.border{ border-color:rgb(214, 125, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 125, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 125, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 125, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 125,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3230, 0.3273, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 125, 204) }
```

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

```
.background{ background-color: rgb(214,  
125, 204) }
```

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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