

Converting Colors

$Y_{xy}(33.3360, 0.3237, 0.2298)$

Have a look what the booklet for
Yxy(33.3360, 0.3237, 0.2298)
contains.

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Color

Yxy(33.4180, 0.3235, 0.2298)

Conversions

Conversions Part 1

Format	Color
Hex	D87BD2
RGB	216, 123, 210
RGB Percent	85%, 48%, 82%
CMY	0.1528, 0.5177, 0.1764
CMYK	0.00, 0.43, 0.03, 0.15
HSL	304°, 54%, 66%
HSV	304°, 43%, 85%
XYZ	47.0441, 33.4180, 64.9601
YIQ	160.7250, 27.5010, 46.7730

Conversions

Conversions Part 2

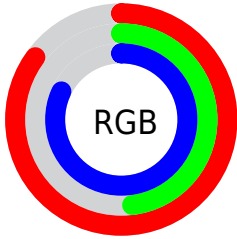
Format	Color
R _{YB}	216, 123, 210
Decimal	14187474
CIE _{Lab}	64.50, 48.54, -29.58
CIE _{LCh}	64, 56.840, 328.642
Yxy	33.4180, 0.3235, 0.2298
Android (android.graphics.Color)	4292377554 (0xFFD87BD2)
YUV	160.7250, 24.2926, 48.4762
Hunter-Lab	57.8083, 44.0977, -26.1592

Details

The Yxy color **33.4180, 0.3235, 0.2298** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.9225, 0.3031, 0.4537**, and the grayscale version is **35.3822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **14.1178, 0.3243, 0.2044** is the 20% darker color. If you saturate the color by 10%, you get **28.5700, 0.3263, 0.2096**, and if you desaturate by 10%, it is **39.4521, 0.3207, 0.2520**.

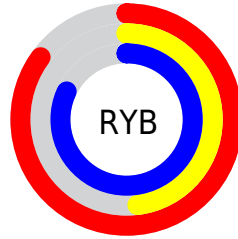
Distribution



Red (85%)

Green (48%)

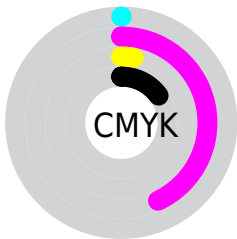
Blue (82%)



Red (85%)

Yellow (48%)

Blue (82%)

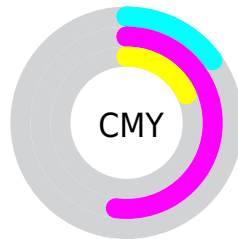


Cyan (0%)

Magenta (43%)

Yellow (3%)

Black (15%)



Cyan (15%)


Magenta (52%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4180, 0.3235, 0.2298 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 33.4180, 0.3235, 0.2298 by changing the saturation by 10% instead.


 33.4180, 0.3235,
0.2298


 33.4180, 0.3235,
0.2298


317.5291, 0.3196,
0.2775


 22.4469, 0.3240,
0.2186


 65.0276, 0.3224,
0.2467

 14.1856, 0.3244,
0.2046


 86.4348, 0.3219,
0.2531

 8.2499, 0.3246,
0.1867


 112.0895, 0.3214,
0.2587

 4.2552, 0.3239,
0.1632

142.3761, 0.3210,
0.2635

 1.8173, 0.3213,
0.1317

177.6789, 0.3206,
0.2677

 0.4980, 0.3160,
0.0807

218.3825, 0.3202,


 0.0000, 0.2912,


0.2713

0.0000


264.8710, 0.3199,
0.2746


 0.0000, 0.0000,
0.0000

 33.4180, 0.3235,
0.2298


 33.4180, 0.3235,
0.2298

 28.5700, 0.3263,
0.2096


 39.4521, 0.3207,
0.2520


 24.8248, 0.3292,
0.1924


 46.7392, 0.3181,
0.2754


 22.0959, 0.3318,
0.1790

 55.3467, 0.3156,
0.2989

 20.2814, 0.3343,
0.1698

 65.3357, 0.3134,
0.3221

 19.2589, 0.3366,
0.1650

 76.7638, 0.3113,
0.3442

■ 18.8723, 0.3380,
0.1636

■ 89.6849, 0.3096,
0.3651

■ 91.2799, 0.3087,
0.3660

■ 91.3540, 0.3079,
0.3645

■ 91.4287, 0.3071,
0.3630

Harmonies

Analogous

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



33.4180, 0.2420, 0.2029



33.4180, 0.3235, 0.2298



33.4180, 0.4140, 0.2763

Triad

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



33.4180, 0.3235, 0.2298



33.4180, 0.4399, 0.4575



33.4180, 0.1724, 0.2889

Complementary

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



33.4180, 0.3235, 0.2298



54.9225, 0.3031, 0.4537

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.



33.4180, 0.2127, 0.3827



33.4180, 0.3235, 0.2298



33.4180, 0.3664, 0.4926

Square

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



33.4180, 0.3235, 0.2298



33.4180, 0.4832, 0.3977



33.4180, 0.2832, 0.4683



33.4180, 0.1652, 0.2270

Rectangle

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



33.4180, 0.3235, 0.2298



33.4180, 0.4608, 0.3145



33.4180, 0.2832, 0.4683



33.4180, 0.1820, 0.3177

Sweetspot

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



33.4195, 0.3235, 0.2298



80.5058, 0.3156, 0.2988



23.6816, 0.2359, 0.1972



16.5979, 0.3161, 0.2936



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.



33.4195, 0.3235, 0.2298



41.9584, 0.3262, 0.2107



31.4764, 0.3732, 0.2784



12.6182, 0.3148, 0.3075



11.1729, 0.3377, 0.1634



0.6782, 0.3345, 0.1616

Inverse Universe

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



33.4195, 0.3235, 0.2298



41.9584, 0.3262, 0.2107



56.4001, 0.2772, 0.3872



12.6182, 0.3148, 0.3075



11.1729, 0.3377, 0.1634



0.6782, 0.3345, 0.1616

Previews

White Background



This preview shows how the Yxy color 33.4180, 0.3235, 0.2298 looks on a white background.

Color Contrast Check

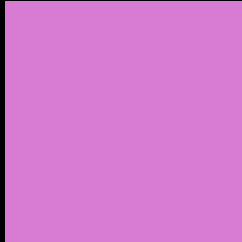
Large Text (above 18pt) WCAG AA × Fail

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 33.4180, 0.3235, 0.2298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

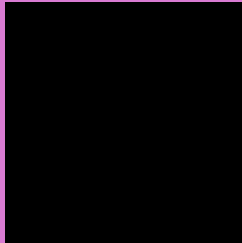
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4180, 0.3235, 0.2298

Background



This preview shows how black text looks on a background with the Yxy color 33.4180, 0.3235, 0.2298.



This preview shows how white text looks on a background with the Yxy color 33.4180, 0.3235, 0.2298.

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

33.4180, 0.3235, 0.2298

Protanopia

33.7765, 0.2333, 0.2213

Deuteranopia

33.5818, 0.2645, 0.2589



Tritanopia

33.4078, 0.3810, 0.3165

Trichromacy



Original Color

33.4180, 0.3235, 0.2298



Protanomaly

32.7130, 0.2598, 0.2222



Deuteranomaly

32.7591, 0.2834, 0.2459



Tritanomaly

33.2537, 0.3596, 0.2822

Monochromacy



Original Color

33.4180, 0.3235, 0.2298



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.9459, 0.3167, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4180, 0.3235, 0.2298 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(216, 123, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 123, 210)  
}
```

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(216, 123, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 123, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.4180, 0.3235, 0.2298 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(216, 123, 210) }
```

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

```
.border{ border-color:rgb(216, 123, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 123, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 123, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 123, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 123,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4180, 0.3235, 0.2298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 123, 210) }
```

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

```
.background{ background-color: rgb(216,  
123, 210) }
```

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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