

Converting Colors

$Y_{xy}(17.0231, 0.3400, 0.1714)$

Have a look what the booklet for
Yxy(17.0231, 0.3400, 0.1714)
contains.

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Color

Yxy(17.0231, 0.3400, 0.1714)

Conversions

Conversions Part 1

Format	Color
Hex	CA1DBB
RGB	202, 29, 187
RGB Percent	79%, 11%, 73%
CMY	0.2078, 0.8863, 0.2666
CMYK	0.00, 0.86, 0.07, 0.21
HSL	305°, 75%, 45%
HSV	305°, 86%, 79%
XYZ	33.7681, 17.0231, 48.5268
YIQ	98.7390, 52.3900, 85.8140

Conversions

Conversions Part 2

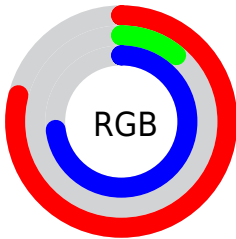
Format	Color
R_{YB}	202, 29, 187
Decimal	13245883
CIE _{Lab}	48.29, 77.02, -41.93
CIE _{LCh}	48, 87.691, 331.438
Yxy	17.0231, 0.3400, 0.1714
Android (android.graphics.Color)	4291435963 (0xFFCA1DBB)
YUV	98.7390, 43.5127, 90.5599
Hunter-Lab	41.2591, 73.8884, -40.8525

Details

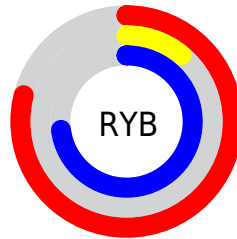
The Yxy color **17.0231, 0.3400, 0.1714** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **42.6865, 0.2975, 0.5751**, and the grayscale version is **12.2863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9060, 0.3296, 0.1958**, and **7.5331, 0.3389, 0.1641** is the 20% darker color. If you saturate the color by 10%, you get **16.2620, 0.3429, 0.1678**, and if you desaturate by 10%, it is **18.4337, 0.3368, 0.1793**.

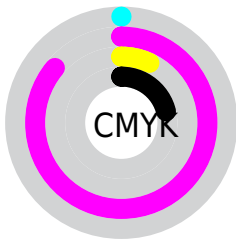
Distribution



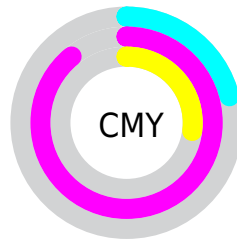
- Red (79%)
- Green (11%)
- Blue (73%)



- Red (79%)
- Yellow (11%)
- Blue (73%)



- Cyan (0%)
- Magenta (86%)
- Yellow (7%)
- Black (21%)





- Cyan (21%)
- Magenta (89%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0231, 0.3400, 0.1714 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 17.0231, 0.3400, 0.1714 by changing the saturation by 10% instead.


 17.0231, 0.3400,
0.1714


 17.0231, 0.3400,
0.1714


235.3055, 0.3293,
0.2494


 10.2510, 0.3414,
0.1530


 38.3655, 0.3370,
0.1991


 5.5657, 0.3423,
0.1303


 53.7045, 0.3356,
0.2098


 2.5828, 0.3420,
0.1022


 72.6680, 0.3343,
0.2188

 0.9180, 0.3382,
0.0680

 95.6403, 0.3331,
0.2267

 0.0000, 0.3353,
0.0000

 123.0058, 0.3320,
0.2335

 0.0000, 0.2841,
0.0000

 155.1489, 0.3310,

 0.0000, 0.0000,

0.2394

0.0000

192.4540, 0.3301,
0.2447

■ 17.0231, 0.3400,
0.1714

■ 17.0231, 0.3400,
0.1714

■ 16.2620, 0.3429,
0.1678

■ 18.4337, 0.3368,
0.1793

■ 16.0391, 0.3441,
0.1669

■ 20.6019, 0.3334,
0.1915

■ 23.6182, 0.3299,
0.2076

■ 27.5598, 0.3264,
0.2269

■ 32.4952, 0.3230,
0.2482

■ 38.4863, 0.3198,
0.2709

■ 45.5901, 0.3168,
0.2939

■ 53.8596, 0.3141,
0.3165

■ 63.3441, 0.3117,
0.3384

Harmonies

Analogous

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



17.0231, 0.1973, 0.1312



17.0231, 0.3400, 0.1714



17.0231, 0.5170, 0.2385

Triad

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



17.0231, 0.3400, 0.1714



17.0231, 0.4813, 0.5187



17.0231, 0.0833, 0.2253

Complementary

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



17.0231, 0.3400, 0.1714



42.6865, 0.2975, 0.5751

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.



17.0231, 0.1235, 0.4067



17.0231, 0.3400, 0.1714



17.0231, 0.3484, 0.6298

Square

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



17.0231, 0.3400, 0.1714



17.0231, 0.5858, 0.4039



17.0231, 0.2209, 0.6175



17.0231, 0.0844, 0.1453

Rectangle

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



17.0231, 0.3400, 0.1714



17.0231, 0.5972, 0.2896



17.0231, 0.2209, 0.6175



17.0231, 0.0910, 0.2727

Sweetspot

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



17.0239, 0.3400, 0.1714



64.3817, 0.3200, 0.2692



5.6651, 0.1634, 0.0764



12.9830, 0.3211, 0.2612



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.



17.0239, 0.3400, 0.1714



27.1377, 0.3445, 0.1671



14.3767, 0.4918, 0.2604



11.3863, 0.3151, 0.3081



10.3270, 0.3438, 0.1667



0.5378, 0.3388, 0.1640

Inverse Universe

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



17.0239, 0.3400, 0.1714



27.1377, 0.3445, 0.1671



44.1142, 0.2617, 0.4501



11.3863, 0.3151, 0.3081



10.3270, 0.3438, 0.1667



0.5378, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 17.0231, 0.3400, 0.1714 looks on a white background.

Color Contrast Check

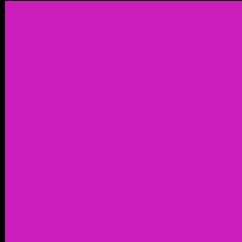
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.0231, 0.3400, 0.1714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

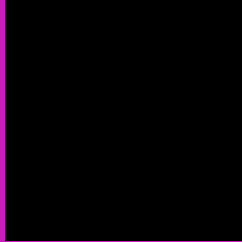
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0231, 0.3400, 0.1714

Background



This preview shows how black text looks on a background with the Yxy color 17.0231, 0.3400, 0.1714.



This preview shows how white text looks on a background with the Yxy color 17.0231, 0.3400, 0.1714.

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

17.0231, 0.3400, 0.1714

Protanopia

17.4833, 0.1735, 0.1447

Deuteranopia

17.3745, 0.2263, 0.2209



Tritanopia

17.1234, 0.4893, 0.3233

Trichromacy



Original Color

17.0231, 0.3400, 0.1714



Protanomaly

12.4158, 0.1860, 0.1250



Deuteranomaly

14.2251, 0.2558, 0.1792



Tritanomaly

16.3235, 0.4370, 0.2569

Monochromacy



Original Color

17.0231, 0.3400, 0.1714



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.7705, 0.3253, 0.2293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0231, 0.3400, 0.1714 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(202, 29, 187)` looks like.

```
.text, #text, p{  
    color:rgb(202, 29, 187)  
}
```

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(202, 29, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 29, 187) }
```

Border

The CSS property to change the border of an element to Yxy 17.0231, 0.3400, 0.1714 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(202, 29, 187) }
```

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

```
.border{ border-color:rgb(202, 29, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 29, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 29, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 29, 187); box-shadow:4px 4px 4px 4px rgb(202, 29, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0231, 0.3400, 0.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 29, 187) }
```

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

```
.background{ background-color: rgb(202, 29,  
187) }
```

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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