

Converting Colors

$Yxy(16.6262, 0.3689, 0.1806)$

Have a look what the booklet for
Yxy(16.6262, 0.3689, 0.1806)
contains.

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Color

Yxy(16.6113, 0.3688, 0.1805)

Conversions

Conversions Part 1

Format	Color
Hex	D100AE
RGB	209, 0, 174
RGB Percent	82%, 0%, 68%
CMY	0.1803, 1.0000, 0.3175
CMYK	0.00, 1.00, 0.17, 0.18
HSL	310°, 100%, 41%
HSV	310°, 100%, 82%
XYZ	33.9404, 16.6113, 41.4776
YIQ	82.3270, 68.7100, 98.4220

Conversions

Conversions Part 2

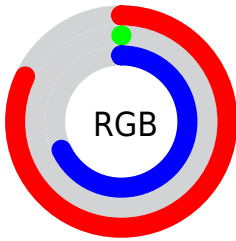
Format	Color
RYB	209, 0, 174
Decimal	13697198
CIELab	47.77, 79.87, -35.04
CIElCh	48, 87.221, 336.313
Yxy	16.6113, 0.3688, 0.1805
Android (android.graphics.Color)	4291887278 (0xFFD100AE)
YUV	82.3270, 45.1948, 111.0922
Hunter-Lab	40.7570, 77.3215, -31.8085

Details

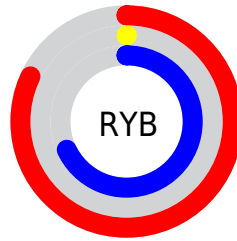
The Yxy color **16.6113, 0.3688, 0.1805** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **45.7308, 0.2961, 0.5860**, and the grayscale version is **8.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6275, 0.3443, 0.2009**, and **7.8645, 0.3758, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **16.6151, 0.3688, 0.1805**, and if you desaturate by 10%, it is **17.2861, 0.3629, 0.1815**.

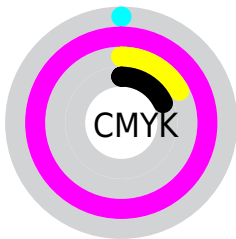
Distribution



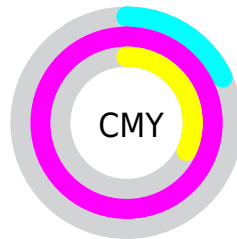
- Red (82%)
- Green (0%)
- Blue (68%)



- Red (82%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6113, 0.3688, 0.1805 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 16.6113, 0.3688, 0.1805 by changing the saturation by 10% instead.


 16.6113, 0.3688,
0.1805


 16.6113, 0.3688,
0.1805


 232.9223, 0.3413,
0.2553


 9.9577, 0.3751,
0.1623


 37.6562, 0.3591,
0.2075


 5.3710, 0.3828,
0.1397


 52.8164, 0.3554,
0.2177

 2.4665, 0.3921,
0.1110


 71.5809, 0.3522,
0.2263

 0.8598, 0.4026,
0.0751

 94.3342, 0.3494,
0.2338

 0.0000, 0.4261,
0.0000

 121.4606, 0.3470,
0.2402

 0.0000, 0.4046,
0.0000

 153.3444, 0.3449,

 0.0000, 0.0000,

0.2459

0.0000

190.3702, 0.3430,
0.2509

■ 16.6113, 0.3688,
0.1805

■ 16.6113, 0.3688,
0.1805

■ 16.6151, 0.3688,
0.1805

■ 17.2861, 0.3629,
0.1815

■ 18.5373, 0.3566,
0.1864

■ 20.5632, 0.3502,
0.1958

■ 23.4696, 0.3437,
0.2094

■ 27.3460, 0.3374,
0.2263

■ 32.2704, 0.3314,
0.2456

■ 38.3134, 0.3259,
0.2663

■ 45.5390, 0.3209,
0.2876

■ 54.0067, 0.3165,
0.3086

Harmonies

Analogous

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



16.6113, 0.2156, 0.1353



16.6113, 0.3688, 0.1805



16.6113, 0.5420, 0.2505

Triad

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



16.6113, 0.3688, 0.1805



16.6113, 0.4607, 0.5393



16.6113, 0.0808, 0.2062

Complementary

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



16.6113, 0.3688, 0.1805



45.7308, 0.2961, 0.5860

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.



16.6113, 0.1128, 0.3698



16.6113, 0.3688, 0.1805



16.6113, 0.3263, 0.6411

Square

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



16.6113, 0.3688, 0.1805



16.6113, 0.5741, 0.4215



16.6113, 0.2015, 0.5940



16.6113, 0.0873, 0.1382

Rectangle

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



16.6113, 0.3688, 0.1805



16.6113, 0.6083, 0.3020



16.6113, 0.2015, 0.5940



16.6113, 0.0863, 0.2477

Sweetspot

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



16.6151, 0.3688, 0.1805



59.7227, 0.3261, 0.2656



4.9588, 0.1568, 0.0637



11.8766, 0.3283, 0.2567



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.



16.6151, 0.3688, 0.1805



26.0295, 0.3694, 0.1809



13.9959, 0.5661, 0.2892



11.9737, 0.3163, 0.3099



10.2551, 0.3680, 0.1801



0.5826, 0.3579, 0.1745

Inverse Universe

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



16.6151, 0.3688, 0.1805



26.0295, 0.3694, 0.1809



47.4837, 0.2563, 0.4427



11.9737, 0.3163, 0.3099



10.2551, 0.3680, 0.1801



0.5826, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 16.6113, 0.3688, 0.1805 looks on a white background.

Color Contrast Check

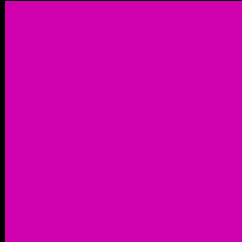
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6113, 0.3688, 0.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

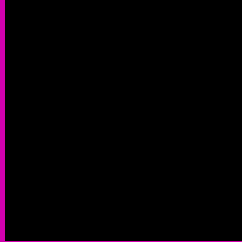
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6113, 0.3688, 0.1805

Background



This preview shows how black text looks on a background with the Yxy color 16.6113, 0.3688, 0.1805.



This preview shows how white text looks on a background with the Yxy color 16.6113, 0.3688, 0.1805.

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

16.6113, 0.3688, 0.1805

Protanopia

17.4250, 0.1737, 0.1454

Deuteranopia

17.2756, 0.2454, 0.2400



Tritanopia

17.0035, 0.5204, 0.3263

Trichromacy



Original Color

16.6113, 0.3688, 0.1805



Protanomaly

10.8471, 0.1870, 0.1176



Deuteranomaly

12.9584, 0.2802, 0.1830



Tritanomaly

15.6020, 0.4724, 0.2606

Monochromacy



Original Color

16.6113, 0.3688, 0.1805



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.2830, 0.3423, 0.2144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6113, 0.3688, 0.1805 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(209, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 174)  
}
```

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(209, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 174) }
```

Border

The CSS property to change the border of an element to Yxy 16.6113, 0.3688, 0.1805 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(209, 0, 174) }
```

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

```
.border{ border-color:rgb(209, 0, 174) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6113, 0.3688, 0.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 174) }
```

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

```
.background{ background-color: rgb(209, 0,  
174) }
```

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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