

Converting Colors

$Y_{xy}(18.1230, 0.3649, 0.1981)$

Have a look what the booklet for
Yxy(18.1230, 0.3649, 0.1981)
contains.

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Color

Yxy(18.1073, 0.3655, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	CC33AA
RGB	204, 51, 170
RGB Percent	80%, 20%, 67%
CMY	0.2000, 0.8000, 0.3333
CMYK	0.00, 0.75, 0.17, 0.20
HSL	313°, 60%, 50%
HSV	313°, 75%, 80%
XYZ	33.3411, 18.1073, 39.7722
YIQ	110.3130, 52.9890, 69.4450

Conversions

Conversions Part 2

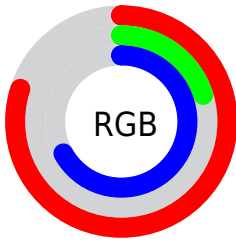
Format	Color
R_{YB}	204, 51, 170
Decimal	13382570
CIE _{Lab}	49.63, 69.76, -29.82
CIE _{LCh}	50, 75.864, 336.855
Yxy	18.1073, 0.3655, 0.1985
Android (android.graphics.Color)	4291572650 (0xFFCC33AA)
YUV	110.3130, 29.4257, 82.1635
Hunter-Lab	42.5527, 65.3923, -25.6290

Details

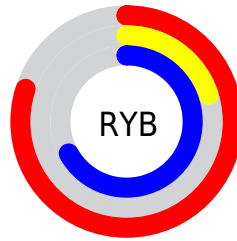
The Yxy color **18.1073, 0.3655, 0.1985** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **44.5440, 0.2893, 0.5238**, and the grayscale version is **15.5918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3393, 0.3467, 0.2188**, and **7.3953, 0.3773, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **16.5307, 0.3743, 0.1921**, and if you desaturate by 10%, it is **20.4731, 0.3566, 0.2094**.

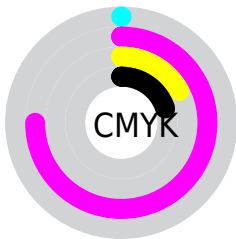
Distribution



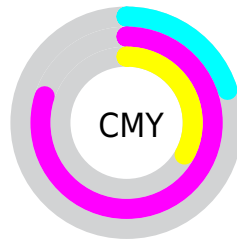
- Red (80%)
- Green (20%)
- Blue (67%)



- Red (80%)
- Yellow (20%)
- Blue (67%)



- Cyan (0%)
- Magenta (75%)
- Yellow (17%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1073, 0.3655, 0.1985 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 18.1073, 0.3655, 0.1985 by changing the saturation by 10% instead.


 18.1073, 0.3655,
0.1985


 18.1073, 0.3655,
0.1985


241.4751, 0.3390,
0.2651


 11.0271, 0.3719,
0.1819


 40.2201, 0.3559,
0.2228


 6.0850, 0.3800,
0.1608


 56.0214, 0.3523,
0.2319


 2.8969, 0.3902,
0.1335


 75.4985, 0.3493,
0.2396

 1.0781, 0.4030,
0.0976

 99.0359, 0.3466,
0.2462

 0.0000, 0.4406,
0.0000

 127.0178, 0.3443,
0.2519

 0.0000, 0.4229,
0.0000

159.8287, 0.3423,

 0.0000, 0.0000,

0.2568

0.0000

197.8530, 0.3406,
0.2612

■ 18.1073, 0.3655,
0.1985

■ 18.1073, 0.3655,
0.1985

■ 16.5307, 0.3743,
0.1921

■ 20.4731, 0.3566,
0.2094

■ 15.6298, 0.3828,
0.1903

■ 23.7162, 0.3480,
0.2240

■ 15.3288, 0.3870,
0.1906

■ 27.9160, 0.3399,
0.2413

■ 33.1423, 0.3325,
0.2604

■ 39.4583, 0.3259,
0.2802

■ 46.9220, 0.3200,
0.3002

■ 55.5875, 0.3150,
0.3196

■ 65.5052, 0.3106,
0.3382

■ 76.7229, 0.3070,
0.3556

Harmonies

Analogous

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



18.1073, 0.2310, 0.1554



18.1073, 0.3655, 0.1985



18.1073, 0.5109, 0.2647

Triad

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



18.1073, 0.3655, 0.1985



18.1073, 0.4533, 0.5259



18.1073, 0.1032, 0.2241

Complementary

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



18.1073, 0.3655, 0.1985



44.5440, 0.2893, 0.5238

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.



18.1073, 0.1367, 0.3640



18.1073, 0.3655, 0.1985



18.1073, 0.3363, 0.5988

Square

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



18.1073, 0.3655, 0.1985



18.1073, 0.5474, 0.4264



18.1073, 0.2207, 0.5431



18.1073, 0.1084, 0.1592

Rectangle

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



18.1073, 0.3655, 0.1985



18.1073, 0.5692, 0.3147



18.1073, 0.2207, 0.5431



18.1073, 0.1094, 0.2613

Sweetspot

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



18.1082, 0.3655, 0.1985



68.5039, 0.3242, 0.2857



8.6203, 0.1913, 0.1047



13.9777, 0.3259, 0.2802



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.



18.1082, 0.3655, 0.1985



26.3371, 0.3796, 0.1905



16.0202, 0.4984, 0.2839



11.3594, 0.3171, 0.3112



9.6630, 0.3859, 0.1900



0.5093, 0.3708, 0.1816

Inverse Universe

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



18.1082, 0.3655, 0.1985



26.3371, 0.3796, 0.1905



46.4491, 0.2514, 0.3977



11.3594, 0.3171, 0.3112



9.6630, 0.3859, 0.1900



0.5093, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 18.1073, 0.3655, 0.1985 looks on a white background.

Color Contrast Check

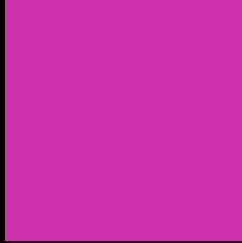
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1073, 0.3655, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

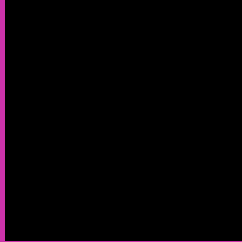
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1073, 0.3655, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 18.1073, 0.3655, 0.1985.



This preview shows how white text looks on a background with the Yxy color 18.1073, 0.3655, 0.1985.

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

18.1073, 0.3655, 0.1985

Protanopia

18.5813, 0.1905, 0.1656

Deuteranopia

18.3600, 0.2554, 0.2502



Tritanopia

18.1290, 0.4865, 0.3234

Trichromacy



Original Color

18.1073, 0.3655, 0.1985



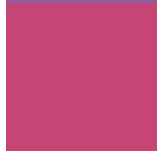
Protanomaly

15.5246, 0.2242, 0.1616



Deuteranomaly

16.2598, 0.2897, 0.2164



Tritanomaly

17.6593, 0.4442, 0.2721

Monochromacy



Original Color

18.1073, 0.3655, 0.1985



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

14.7400, 0.3338, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1073, 0.3655, 0.1985 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(204, 51, 170)` looks like.

```
.text, #text, p{  
    color:rgb(204, 51, 170)  
}
```

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(204, 51, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 51, 170) }
```

Border

The CSS property to change the border of an element to Yxy 18.1073, 0.3655, 0.1985 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(204, 51, 170) }
```

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

```
.border{ border-color:rgb(204, 51, 170) }
```

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

Here you see how a box with a 4 pixel rgb(204, 51, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 51, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 51, 170);  
box-shadow:4px 4px 4px 4px rgb(204, 51,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1073, 0.3655, 0.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 51, 170) }
```

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

```
.background{ background-color: rgb(204, 51,  
170) }
```

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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