

Converting Colors

$Y_{xy}(18.0541, 0.3407, 0.1769)$

Have a look what the booklet for
Yxy(18.0541, 0.3407, 0.1769)
contains.

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Color

Yxy(18.0541, 0.3407, 0.1769)

Conversions

Conversions Part 1

Format	Color
Hex	CC29BC
RGB	204, 41, 188
RGB Percent	80%, 16%, 74%
CMY	0.2000, 0.8391, 0.2627
CMYK	0.00, 0.80, 0.08, 0.20
HSL	306°, 67%, 48%
HSV	306°, 80%, 80%
XYZ	34.7712, 18.0541, 49.2329
YIQ	106.4950, 49.9610, 80.2730

Conversions

Conversions Part 2

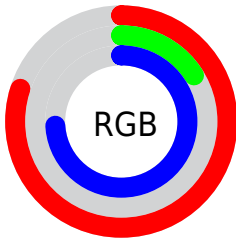
Format	Color
R_{YB}	204, 41, 188
Decimal	13380028
CIE _{Lab}	49.56, 75.01, -40.47
CIE _{LCh}	50, 85.228, 331.651
Yxy	18.0541, 0.3407, 0.1769
Android (android.graphics.Color)	4291570108 (0xFFCC29BC)
YUV	106.4950, 40.1820, 85.5119
Hunter-Lab	42.4901, 71.7155, -38.9557

Details

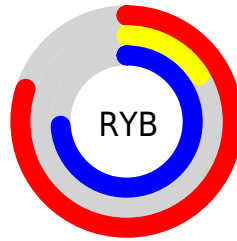
The Yxy color **18.0541, 0.3407, 0.1769** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **43.9506, 0.2968, 0.5611**, and the grayscale version is **14.4360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3680, 0.3283, 0.2000**, and **7.7410, 0.3405, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **16.9045, 0.3442, 0.1710**, and if you desaturate by 10%, it is **19.9370, 0.3370, 0.1872**.

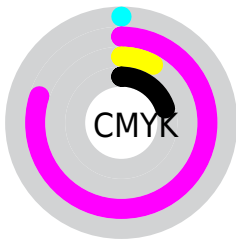
Distribution



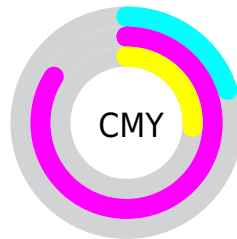
- Red (80%)
- Green (16%)
- Blue (74%)



- Red (80%)
- Yellow (16%)
- Blue (74%)



- Cyan (0%)
- Magenta (80%)
- Yellow (8%)
- Black (20%)





- Cyan (20%)
- Magenta (84%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0541, 0.3407, 0.1769 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 18.0541, 0.3407, 0.1769 by changing the saturation by 10% instead.


 18.0541, 0.3407,
0.1769

 18.0541, 0.3407,
0.1769

241.1758, 0.3294,
0.2521


 10.9888, 0.3424,
0.1591


 40.1295, 0.3374,
0.2037


 6.0593, 0.3438,
0.1371


 55.9084, 0.3359,
0.2139

 2.8812, 0.3442,
0.1096


 75.3607, 0.3345,
0.2227

 1.0700, 0.3419,
0.0758

 98.8706, 0.3333,
0.2302

 0.0000, 0.3446,
0.0000

 126.8228, 0.3322,
0.2368

 0.0000, 0.3003,
0.0000

159.6014, 0.3311,

 0.0000, 0.0000,

0.2425

0.0000

197.5909, 0.3302,
0.2476

■ 18.0541, 0.3407,
0.1769

■ 18.0541, 0.3407,
0.1769

■ 16.9045, 0.3442,
0.1710

■ 19.9370, 0.3370,
0.1872

■ 16.3023, 0.3474,
0.1688

■ 22.6500, 0.3331,
0.2016

■ 16.2966, 0.3474,
0.1688

■ 26.2777, 0.3292,
0.2195

■ 30.8937, 0.3254,
0.2399

■ 36.5642, 0.3218,
0.2619

■ 43.3497, 0.3184,
0.2846

■ 51.3059, 0.3154,
0.3072

■ 60.4849, 0.3127,
0.3292

■ 70.9358, 0.3103,
0.3502

Harmonies

Analogous

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



18.0541, 0.2024, 0.1371



18.0541, 0.3407, 0.1769



18.0541, 0.5092, 0.2430

Triad

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



18.0541, 0.3407, 0.1769



18.0541, 0.4805, 0.5190



18.0541, 0.0897, 0.2299

Complementary

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



18.0541, 0.3407, 0.1769



43.9506, 0.2968, 0.5611

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.



18.0541, 0.1304, 0.4024



18.0541, 0.3407, 0.1769



18.0541, 0.3506, 0.6185

Square

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



18.0541, 0.3407, 0.1769



18.0541, 0.5771, 0.4064



18.0541, 0.2263, 0.6007



18.0541, 0.0904, 0.1513

Rectangle

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



18.0541, 0.3407, 0.1769



18.0541, 0.5860, 0.2938



18.0541, 0.2263, 0.6007



18.0541, 0.0977, 0.2756

Sweetspot

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



18.0550, 0.3407, 0.1769



66.5939, 0.3199, 0.2745



6.7475, 0.1704, 0.0868



13.4037, 0.3211, 0.2664



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.



18.0550, 0.3407, 0.1769



27.2501, 0.3466, 0.1693



15.5263, 0.4748, 0.2591



11.3840, 0.3152, 0.3084



10.2656, 0.3470, 0.1685



0.5352, 0.3413, 0.1654

Inverse Universe

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



18.0550, 0.3407, 0.1769



27.2501, 0.3466, 0.1693



45.4352, 0.2615, 0.4408



11.3840, 0.3152, 0.3084



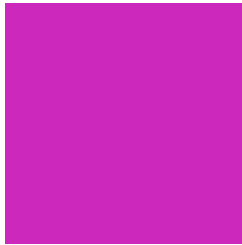
10.2656, 0.3470, 0.1685



0.5352, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 18.0541, 0.3407, 0.1769 looks on a white background.

Color Contrast Check

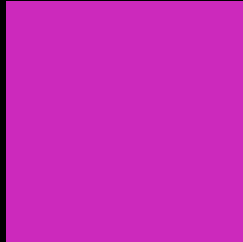
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0541, 0.3407, 0.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

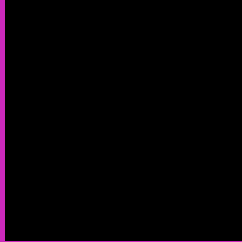
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0541, 0.3407, 0.1769

Background



This preview shows how black text looks on a background with the Yxy color 18.0541, 0.3407, 0.1769.



This preview shows how white text looks on a background with the Yxy color 18.0541, 0.3407, 0.1769.

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

18.0541, 0.3407, 0.1769

Protanopia

18.5057, 0.1735, 0.1447

Deuteranopia

18.4465, 0.2307, 0.2248



Tritanopia

18.0423, 0.4803, 0.3220

Trichromacy



Original Color

18.0541, 0.3407, 0.1769



Protanomaly

13.5999, 0.1870, 0.1301



Deuteranomaly

15.6763, 0.2605, 0.1876



Tritanomaly

17.3574, 0.4301, 0.2586

Monochromacy



Original Color

18.0541, 0.3407, 0.1769



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.7149, 0.3259, 0.2391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0541, 0.3407, 0.1769 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, 41, 188)` looks like.

```
.text, #text, p{  
    color:rgb(204, 41, 188)  
}
```

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, 41, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 41, 188) }
```

Border

The CSS property to change the border of an element to Yxy 18.0541, 0.3407, 0.1769 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, 41, 188) }
```

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

```
.border{ border-color:rgb(204, 41, 188) }
```

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

Here you see how a box with a 4 pixel rgb(204, 41, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 41, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 41, 188);  
box-shadow:4px 4px 4px 4px rgb(204, 41,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0541, 0.3407, 0.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 41, 188) }
```

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

```
.background{ background-color: rgb(204, 41,  
188) }
```

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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