

Converting Colors

$Y_{xy}(16.4749, 0.3917, 0.2050)$

Have a look what the booklet for
Yxy(16.4749, 0.3917, 0.2050)
contains.

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Color

Yxy(16.4657, 0.3909, 0.2047)

Conversions

Conversions Part 1

Format	Color
Hex	CC249B
RGB	204, 36, 155
RGB Percent	80%, 14%, 61%
CMY	0.2001, 0.8585, 0.3922
CMYK	0.00, 0.82, 0.24, 0.20
HSL	318°, 70%, 47%
HSV	318°, 82%, 80%
XYZ	31.4433, 16.4657, 32.5292
YIQ	99.7980, 61.9290, 72.6250

Conversions

Conversions Part 2

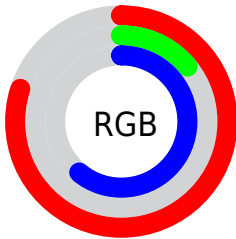
Format	Color
R_{YB}	204, 36, 155
Decimal	13378715
CIE _{Lab}	47.58, 71.76, -24.08
CIE _{LCh}	48, 75.689, 341.449
Yxy	16.4657, 0.3909, 0.2047
Android (android.graphics.Color)	4291568795 (0xFFCC249B)
YUV	99.7980, 27.2146, 91.3852
Hunter-Lab	40.5779, 67.3058, -19.1251

Details

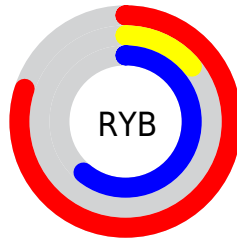
The Yxy color **16.4657, 0.3909, 0.2047** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark muted rose. A complement of this color would be **44.2063, 0.2851, 0.5260**, and the grayscale version is **12.6176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6136, 0.3650, 0.2252**, and **7.0192, 0.4062, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **15.3662, 0.4031, 0.2030**, and if you desaturate by 10%, it is **18.2797, 0.3786, 0.2112**.

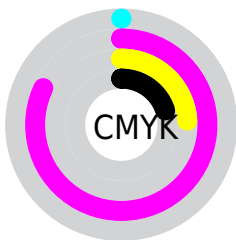
Distribution



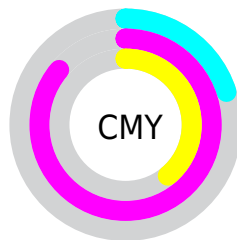
- Red (80%)
- Green (14%)
- Blue (61%)



- Red (80%)
- Yellow (14%)
- Blue (61%)



- Cyan (0%)
- Magenta (82%)
- Yellow (24%)
- Black (20%)




- Cyan (20%)
- Magenta (86%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4657, 0.3909, 0.2047 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 16.4657, 0.3909, 0.2047 by changing the saturation by 10% instead.


 16.4657, 0.3909,
0.2047


 16.4657, 0.3909,
0.2047


232.0743, 0.3490,
0.2697


 9.8543, 0.4022,
0.1879


 37.4048, 0.3751,
0.2288


 5.3025, 0.4170,
0.1662


 52.5013, 0.3693,
0.2378


 2.4258, 0.4374,
0.1375


 71.1950, 0.3645,
0.2452

 0.8391, 0.4666,
0.0988

 93.8701, 0.3605,
0.2516

 0.0000, 0.5356,
0.0000

 120.9113, 0.3570,
0.2571

 0.0000, 0.7047,
0.0000

 152.7027, 0.3540,

 0.0000, 0.0000,

0.2618

0.0000

189.6289, 0.3514,
0.2660

■ 16.4657, 0.3909,
0.2047

■ 16.4657, 0.3909,
0.2047

■ 15.3662, 0.4031,
0.2030

■ 18.2797, 0.3786,
0.2112

■ 14.8616, 0.4122,
0.2045

■ 20.9099, 0.3665,
0.2221

■ 24.4444, 0.3551,
0.2364

■ 28.9590, 0.3447,
0.2530

■ 34.5216, 0.3353,
0.2709

■ 41.1939, 0.3271,
0.2893

■ 49.0330, 0.3200,
0.3075

■ 58.0919, 0.3140,
0.3251

■ 68.4203, 0.3089,
0.3417

Harmonies

Analogous

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



16.4657, 0.2466, 0.1568



16.4657, 0.3909, 0.2047



16.4657, 0.5343, 0.2740

Triad

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



16.4657, 0.3909, 0.2047



16.4657, 0.4372, 0.5447



16.4657, 0.0979, 0.2065

Complementary

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



16.4657, 0.3909, 0.2047



44.2063, 0.2851, 0.5260

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.



16.4657, 0.1242, 0.3368



16.4657, 0.3909, 0.2047



16.4657, 0.3161, 0.6094

Square

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



16.4657, 0.3909, 0.2047



16.4657, 0.5397, 0.4410



16.4657, 0.2012, 0.5264



16.4657, 0.1084, 0.1503

Rectangle

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



16.4657, 0.3909, 0.2047



16.4657, 0.5825, 0.3249



16.4657, 0.2012, 0.5264



16.4657, 0.1019, 0.2401

Sweetspot

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



16.4666, 0.3909, 0.2047



64.7103, 0.3294, 0.2838



7.4936, 0.1885, 0.0932



13.0059, 0.3324, 0.2772



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.



16.4666, 0.3909, 0.2047



24.6662, 0.4125, 0.2049



14.5740, 0.5463, 0.2980



11.3458, 0.3181, 0.3127



9.3737, 0.4106, 0.2036



0.4964, 0.3891, 0.1917

Inverse Universe

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



16.4666, 0.3909, 0.2047



24.6662, 0.4125, 0.2049



46.3617, 0.2446, 0.3865



11.3458, 0.3181, 0.3127



9.3737, 0.4106, 0.2036



0.4964, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 16.4657, 0.3909, 0.2047 looks on a white background.

Color Contrast Check

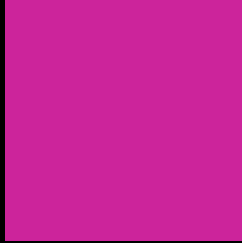
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4657, 0.3909, 0.2047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

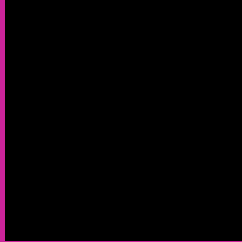
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4657, 0.3909, 0.2047

Background



This preview shows how black text looks on a background with the Yxy color 16.4657, 0.3909, 0.2047.



This preview shows how white text looks on a background with the Yxy color 16.4657, 0.3909, 0.2047.

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

16.4657, 0.3909, 0.2047

Protanopia

17.1144, 0.1927, 0.1692

Deuteranopia

16.8518, 0.2701, 0.2651



Tritanopia

16.4724, 0.5184, 0.3251

Trichromacy



Original Color

16.4657, 0.3909, 0.2047



Protanomaly

13.6129, 0.2311, 0.1623



Deuteranomaly

14.3502, 0.3092, 0.2227



Tritanomaly

16.0670, 0.4771, 0.2774

Monochromacy



Original Color

16.4657, 0.3909, 0.2047



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0671, 0.3456, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4657, 0.3909, 0.2047 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, 36, 155)` looks like.

```
.text, #text, p{  
    color:rgb(204, 36, 155)  
}
```

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, 36, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 36, 155) }
```

Border

The CSS property to change the border of an element to Yxy 16.4657, 0.3909, 0.2047 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, 36, 155) }
```

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

```
.border{ border-color:rgb(204, 36, 155) }
```

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

Here you see how a box with a 4 pixel rgb(204, 36, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 36, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 36, 155);  
box-shadow:4px 4px 4px 4px rgb(204, 36,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4657, 0.3909, 0.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 36, 155) }
```

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

```
.background{ background-color: rgb(204, 36,  
155) }
```

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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