

Converting Colors

$Yxy(15.8166, 0.4971, 0.2512)$

Have a look what the booklet for
Yxy(15.8166, 0.4971, 0.2512)
contains.

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Color

Yxy(15.8558, 0.4972, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	D9006D
RGB	217, 0, 109
RGB Percent	85%, 0%, 43%
CMY	0.1491, 0.9993, 0.5726
CMYK	0.00, 1.00, 0.50, 0.15
HSL	330°, 100%, 43%
HSV	330°, 100%, 85%
XYZ	31.3709, 15.8558, 15.8684
YIQ	77.3090, 94.3430, 79.9030

Conversions

Conversions Part 2

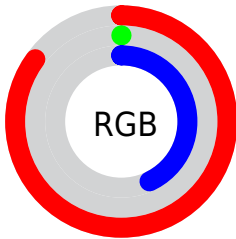
Format	Color
RYB	217, 0, 109
Decimal	14221421
CIELab	46.78, 74.92, 3.00
CIElCh	47, 74.977, 2.293
Yxy	15.8558, 0.4972, 0.2513
Android (android.graphics.Color)	4292411501 (0xFFD9006D)
YUV	77.3090, 15.6237, 122.5090
Hunter-Lab	39.8193, 70.9439, 4.2459

Details

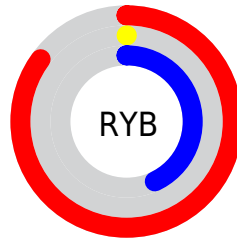
The Yxy color **15.8558, 0.4972, 0.2513** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **50.7049, 0.2731, 0.5030**, and the grayscale version is **7.4588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2802, 0.4306, 0.2624**, and **7.3164, 0.5345, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **15.8508, 0.4974, 0.2514**, and if you desaturate by 10%, it is **16.6694, 0.4735, 0.2446**.

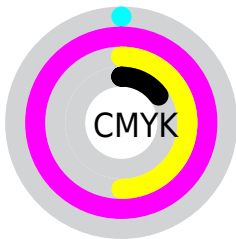
Distribution



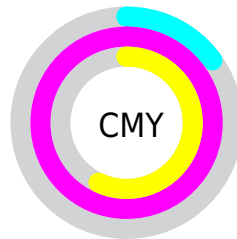
- Red (85%)
- Green (0%)
- Blue (43%)



- Red (85%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8558, 0.4972, 0.2513 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 15.8558, 0.4972, 0.2513 by changing the saturation by 10% instead.


 15.8558, 0.4972,
0.2513


 15.8558, 0.4972,
0.2513

228.4893, 0.3902,
0.2972


 9.4222, 0.5294,
0.2371


 36.3477, 0.4544,
0.2699


 5.0176, 0.5740,
0.2172

 51.1747, 0.4395,
0.2763

 2.2576, 0.6389,
0.1876

 69.5684, 0.4274,
0.2814

 0.7511, 0.7438,
0.1416

 91.9130, 0.4174,
0.2857

 0.0000, 1.0000,
0.0000

 118.5930, 0.4090,
0.2893

 0.0000, 0.0000,
0.0000

 149.9928, 0.4018,

0.2923

186.4968, 0.3956,
0.2949

■ 15.8558, 0.4972,
0.2513

■ 15.8558, 0.4972,
0.2513

■ 15.8508, 0.4974,
0.2514

■ 16.6694, 0.4735,
0.2446

■ 18.1472, 0.4489,
0.2427

■ 20.4971, 0.4244,
0.2461

■ 23.8360, 0.4013,
0.2537

■ 28.2626, 0.3804,
0.2644

■ 33.8637, 0.3620,
0.2769

■ 40.7170, 0.3462,
0.2902

■ 48.8935, 0.3329,
0.3037

■ 58.4590, 0.3218,
0.3167

Harmonies

Analogous

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



15.8558, 0.3430, 0.1869



15.8558, 0.4972, 0.2513



15.8558, 0.5841, 0.3269

Triad

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



15.8558, 0.4972, 0.2513



15.8558, 0.3530, 0.6005



15.8558, 0.1014, 0.1613

Complementary

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



15.8558, 0.4972, 0.2513



50.7049, 0.2731, 0.5030

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.



15.8558, 0.1010, 0.2366



15.8558, 0.4972, 0.2513



15.8558, 0.2338, 0.5721

Square

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



15.8558, 0.4972, 0.2513



15.8558, 0.4727, 0.5143



15.8558, 0.1414, 0.3935



15.8558, 0.1354, 0.1378

Rectangle

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



15.8558, 0.4972, 0.2513



15.8558, 0.5801, 0.3816



15.8558, 0.1414, 0.3935



15.8558, 0.0975, 0.1791

Sweetspot

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



15.8567, 0.4972, 0.2513



58.3041, 0.3467, 0.2898



8.0143, 0.1982, 0.0866



11.5373, 0.3532, 0.2840



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.



15.8567, 0.4972, 0.2513



22.8175, 0.4993, 0.2524



14.7614, 0.6385, 0.3292



13.1600, 0.3214, 0.3173



9.6183, 0.4942, 0.2496



0.6405, 0.4584, 0.2299

Inverse Universe

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



15.8567, 0.4972, 0.2513



22.8175, 0.4993, 0.2524



54.4411, 0.2261, 0.3338



13.1600, 0.3214, 0.3173



9.6183, 0.4942, 0.2496



0.6405, 0.4584, 0.2299

Previews

White Background



This preview shows how the Yxy color 15.8558, 0.4972, 0.2513 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 15.8558, 0.4972, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

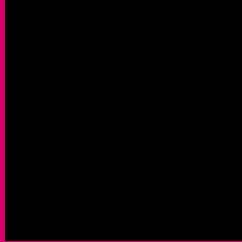
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8558, 0.4972, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 15.8558, 0.4972, 0.2513.



This preview shows how white text looks on a background with the Yxy color 15.8558, 0.4972, 0.2513.

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

15.8558, 0.4972, 0.2513

Protanopia

16.4558, 0.2504, 0.2436

Deuteranopia

16.4466, 0.3512, 0.3465



Tritanopia

16.1983, 0.5911, 0.3298

Trichromacy



Original Color

15.8558, 0.4972, 0.2513



Protanomaly

12.1507, 0.3211, 0.2151



Deuteranomaly

12.7091, 0.4141, 0.2759



Tritanomaly

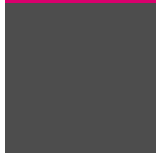
15.6362, 0.5677, 0.3016

Monochromacy



Original Color

15.8558, 0.4972, 0.2513



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.5071, 0.3989, 0.2537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8558, 0.4972, 0.2513 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(217, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 109)  
}
```

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(217, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 109) }
```

Border

The CSS property to change the border of an element to Yxy 15.8558, 0.4972, 0.2513 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(217, 0, 109) }
```

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

```
.border{ border-color:rgb(217, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8558, 0.4972, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 109) }
```

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

```
.background{ background-color: rgb(217, 0,  
109) }
```

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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