

Converting Colors

$Y_{xy}(15.9291, 0.4870, 0.2456)$

Have a look what the booklet for
Yxy(15.9291, 0.4870, 0.2456)
contains.

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Color

Yxy(15.9666, 0.4873, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	D90072
RGB	217, 0, 114
RGB Percent	85%, 0%, 45%
CMY	0.1490, 1.0000, 0.5529
CMYK	0.00, 1.00, 0.47, 0.15
HSL	328°, 100%, 43%
HSV	328°, 100%, 85%
XYZ	31.6539, 15.9666, 17.3372
YIQ	77.8790, 92.7380, 81.4580

Conversions

Conversions Part 2

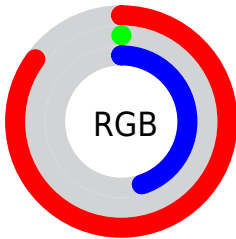
Format	Color
RYB	217, 0, 114
Decimal	14221426
CIELab	46.93, 75.32, 0.10
CIELCh	47, 75.324, 0.076
Yxy	15.9666, 0.4873, 0.2458
Android (android.graphics.Color)	4292411506 (0xFFD90072)
YUV	77.8790, 17.8077, 122.0091
Hunter-Lab	39.9582, 71.4762, 2.2458

Details

The Yxy color **15.9666, 0.4873, 0.2458** 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 **50.6065, 0.2753, 0.5110**, and the grayscale version is **7.5484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4953, 0.4224, 0.2565**, and **7.3619, 0.5240, 0.2660** is the 20% darker color. If you saturate the color by 10%, you get **15.9673, 0.4873, 0.2458**, and if you desaturate by 10%, it is **16.7780, 0.4649, 0.2396**.

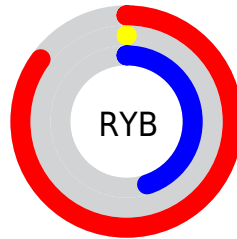
Distribution



Red (85%)

Green (0%)

Blue (45%)



Red (85%)

Yellow (0%)

Blue (45%)

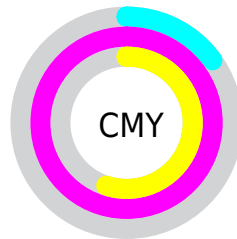


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (15%)



Cyan (15%)

Magenta (100%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9666, 0.4873, 0.2458 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 15.9666, 0.4873, 0.2458 by changing the saturation by 10% instead.


 15.9666, 0.4873,
0.2458


 15.9666, 0.4873,
0.2458


229.1446, 0.3865,
0.2939


 9.5005, 0.5175,
0.2314


 36.5402, 0.4470,
0.2650


 5.0691, 0.5595,
0.2113

 51.4165, 0.4330,
0.2717


 2.2878, 0.6207,
0.1821

 69.8651, 0.4216,
0.2771

 0.7673, 0.7157,
0.1367

 92.2702, 0.4122,
0.2816

 0.0000, 1.0000,
0.0000

 119.0163, 0.4042,
0.2854

 0.0000, 0.0000,
0.0000

 150.4878, 0.3974,

0.2887

187.0691, 0.3916,
0.2915

■ 15.9666, 0.4873,
0.2458

■ 15.9666, 0.4873,
0.2458

■ 15.9673, 0.4873,
0.2458

■ 16.7780, 0.4649,
0.2396

■ 18.2481, 0.4417,
0.2382

■ 20.5867, 0.4188,
0.2420

■ 23.9111, 0.3970,
0.2502

■ 28.3200, 0.3772,
0.2614

■ 33.9000, 0.3598,
0.2744

■ 40.7288, 0.3448,
0.2884

■ 48.8775, 0.3321,
0.3024

■ 58.4118, 0.3215,
0.3160

Harmonies

Analogous

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



15.9666, 0.3317, 0.1827



15.9666, 0.4873, 0.2458



15.9666, 0.5821, 0.3210

Triad

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



15.9666, 0.4873, 0.2458



15.9666, 0.3619, 0.5968



15.9666, 0.0999, 0.1644

Complementary

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



15.9666, 0.4873, 0.2458



50.6065, 0.2753, 0.5110

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.



15.9666, 0.1021, 0.2449



15.9666, 0.4873, 0.2458



15.9666, 0.2419, 0.5813

Square

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



15.9666, 0.4873, 0.2458



15.9666, 0.4810, 0.5066



15.9666, 0.1462, 0.4082



15.9666, 0.1313, 0.1380

Rectangle

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



15.9666, 0.4873, 0.2458



15.9666, 0.5831, 0.3751



15.9666, 0.1462, 0.4082



15.9666, 0.0969, 0.1836

Sweetspot

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



15.9675, 0.4873, 0.2458



58.3984, 0.3452, 0.2880



7.7925, 0.1950, 0.0848



11.5596, 0.3513, 0.2820



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.



15.9675, 0.4873, 0.2458



22.9805, 0.4892, 0.2468



14.7682, 0.6372, 0.3284



13.1653, 0.3210, 0.3168



9.6870, 0.4843, 0.2441



0.6450, 0.4504, 0.2255

Inverse Universe

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



15.9675, 0.4873, 0.2458



22.9805, 0.4892, 0.2468



54.2690, 0.2275, 0.3390



13.1653, 0.3210, 0.3168



9.6870, 0.4843, 0.2441



0.6450, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 15.9666, 0.4873, 0.2458 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 15.9666, 0.4873, 0.2458 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 15.9666, 0.4873, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 15.9666, 0.4873, 0.2458.



This preview shows how white text looks on a background with the Yxy color 15.9666, 0.4873, 0.2458.

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

15.9666, 0.4873, 0.2458

Protanopia

16.7555, 0.2422, 0.2343

Deuteranopia

16.4692, 0.3430, 0.3368



Tritanopia

16.3702, 0.5863, 0.3291

Trichromacy



Original Color

15.9666, 0.4873, 0.2458



Protanomaly

12.1572, 0.3095, 0.2061



Deuteranomaly

12.8125, 0.4046, 0.2681



Tritanomaly

15.7807, 0.5603, 0.2987

Monochromacy



Original Color

15.9666, 0.4873, 0.2458



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.7037, 0.3957, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9666, 0.4873, 0.2458 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, 114)` looks like.

```
.text, #text, p{  
  color:rgb(217, 0, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 114) }
```

Border

The CSS property to change the border of an element to Yxy 15.9666, 0.4873, 0.2458 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, 114) }
```

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

```
.border{ border-color:rgb(217, 0, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9666, 0.4873, 0.2458 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, 114) }
```

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

```
.background{ background-color: rgb(217, 0,  
114) }
```

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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