

Converting Colors

$Y_{xy}(17.9872, 0.4885, 0.2669)$

Have a look what the booklet for
Yxy(17.9872, 0.4885, 0.2669)
contains.

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Color

Yxy(17.9872, 0.4885, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	DB2C6E
RGB	219, 44, 110
RGB Percent	86%, 17%, 43%
CMY	0.1413, 0.8271, 0.5687
CMYK	0.00, 0.80, 0.50, 0.14
HSL	337°, 71%, 52%
HSV	337°, 80%, 86%
XYZ	32.9215, 17.9872, 16.4843
YIQ	103.8490, 83.1140, 57.6260

Conversions

Conversions Part 2

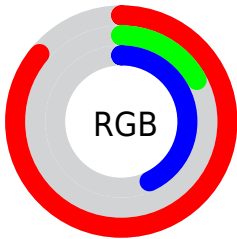
Format	Color
R_{YB}	219, 44, 110
Decimal	14363758
CIE _{Lab}	49.48, 68.90, 6.30
CIE _{LCh}	49, 69.187, 5.227
Yxy	17.9872, 0.4885, 0.2669
Android (android.graphics.Color)	4292553838 (0xFFDB2C6E)
YUV	103.8490, 3.0324, 100.9874
Hunter-Lab	42.4113, 64.3396, 6.6432

Details

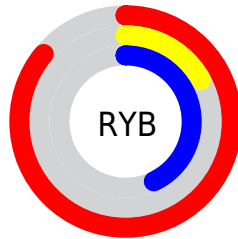
The Yxy color **17.9872, 0.4885, 0.2669** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **53.4871, 0.2582, 0.4299**, and the grayscale version is **13.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5583, 0.4236, 0.2761**, and **7.6280, 0.5354, 0.2723** is the 20% darker color. If you saturate the color by 10%, you get **16.4871, 0.5203, 0.2713**, and if you desaturate by 10%, it is **20.3950, 0.4562, 0.2676**.

Distribution



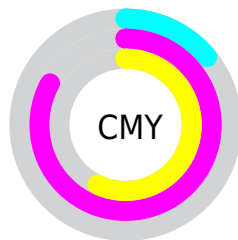
- Red (86%)
- Green (17%)
- Blue (43%)



- Red (86%)
- Yellow (17%)
- Blue (43%)



- Cyan (0%)
- Magenta (80%)
- Yellow (50%)
- Black (14%)



- Cyan (14%)
- Magenta (83%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9872, 0.4885, 0.2669 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 17.9872, 0.4885, 0.2669 by changing the saturation by 10% instead.


 17.9872, 0.4885,
0.2669


 17.9872, 0.4885,
0.2669


240.7989, 0.3876,
0.3041


 10.9408, 0.5184,
0.2552


 40.0155, 0.4485,
0.2821

 6.0270, 0.5595,
0.2385

 55.7662, 0.4345,
0.2873

 2.8615, 0.6190,
0.2134

 75.1871, 0.4230,
0.2915

 1.0599, 0.7113,
0.1737

 98.6627, 0.4135,
0.2949

 0.0000, 1.0000,
0.0000

 126.5772, 0.4055,
0.2978

 0.0000, 0.0000,
0.0000

159.3152, 0.3987,

0.3002

197.2609, 0.3928,
0.3023

■ 17.9872, 0.4885,
0.2669

■ 17.9872, 0.4885,
0.2669

■ 16.4871, 0.5203,
0.2713

■ 20.3950, 0.4562,
0.2676

■ 15.6816, 0.5496,
0.2802

■ 23.8282, 0.4256,
0.2725


■ 15.6727, 0.5499,
0.2803


■ 28.3896, 0.3981,
0.2802

■ 34.1687, 0.3743,
0.2896

■ 41.2459, 0.3542,
0.2997

 49.6947, 0.3375,
0.3099

 59.5829, 0.3238,
0.3198

 70.9741, 0.3126,
0.3291

 83.9277, 0.3034,
0.3378

Harmonies

Analogous

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



17.9872, 0.3546, 0.2042



17.9872, 0.4885, 0.2669



17.9872, 0.5594, 0.3404

Triad

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



17.9872, 0.4885, 0.2669



17.9872, 0.3463, 0.5756



17.9872, 0.1186, 0.1727

Complementary

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



17.9872, 0.4885, 0.2669



53.4871, 0.2582, 0.4299

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.



17.9872, 0.1162, 0.2389



17.9872, 0.4885, 0.2669



17.9872, 0.2358, 0.5281

Square

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



17.9872, 0.4885, 0.2669



17.9872, 0.4549, 0.5121



17.9872, 0.1525, 0.3715



17.9872, 0.1548, 0.1524

Rectangle

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



17.9872, 0.4885, 0.2669



17.9872, 0.5539, 0.3936



17.9872, 0.1525, 0.3715



17.9872, 0.1140, 0.1885

Sweetspot

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



17.9882, 0.4885, 0.2669



64.7572, 0.3444, 0.3055



13.5887, 0.2455, 0.1253



12.9606, 0.3505, 0.3018



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.



17.9882, 0.4885, 0.2669



22.4497, 0.5408, 0.2774



18.9594, 0.5745, 0.3455



13.1323, 0.3233, 0.3202



9.3156, 0.5460, 0.2782



0.6199, 0.5017, 0.2537

Inverse Universe

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



17.9882, 0.4885, 0.2669



22.4497, 0.5408, 0.2774



46.2979, 0.2209, 0.2995



13.1323, 0.3233, 0.3202



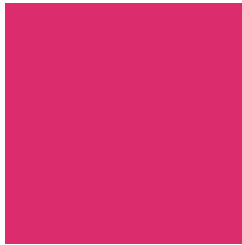
9.3156, 0.5460, 0.2782



0.6199, 0.5017, 0.2537

Previews

White Background



This preview shows how the Yxy color 17.9872, 0.4885, 0.2669 looks on a white background.

Color Contrast Check

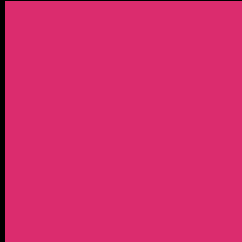
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9872, 0.4885, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

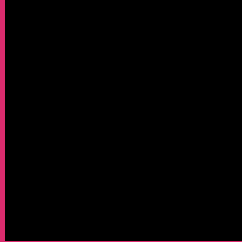
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9872, 0.4885, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 17.9872, 0.4885, 0.2669.



This preview shows how white text looks on a background with the Yxy color 17.9872, 0.4885, 0.2669.

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

17.9872, 0.4885, 0.2669

Protanopia

18.2396, 0.2693, 0.2684

Deuteranopia

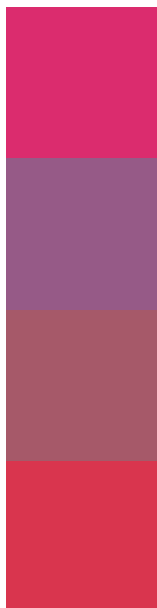
18.2282, 0.3577, 0.3512



Tritanopia

17.9513, 0.5600, 0.3280

Trichromacy



Original Color

17.9872, 0.4885, 0.2669

Protanomaly

15.5456, 0.3379, 0.2549

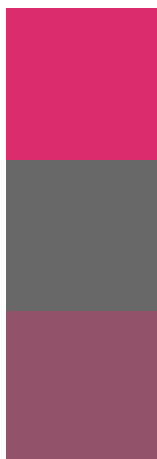
Deuteranomaly

16.2717, 0.4086, 0.3043

Tritanomaly

17.8480, 0.5379, 0.3071

Monochromacy



Original Color

17.9872, 0.4885, 0.2669

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.1862, 0.3805, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9872, 0.4885, 0.2669 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(219, 44, 110)` looks like.

```
.text, #text, p{  
    color:rgb(219, 44, 110)  
}
```

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(219, 44, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 44, 110) }
```

Border

The CSS property to change the border of an element to Yxy 17.9872, 0.4885, 0.2669 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(219, 44, 110) }
```

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

```
.border{ border-color:rgb(219, 44, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 44, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 44, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 44, 110);  
box-shadow:4px 4px 4px 4px rgb(219, 44,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9872, 0.4885, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 44, 110) }
```

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

```
.background{ background-color: rgb(219, 44,  
110) }
```

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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