

Converting Colors

$Y_{xy}(20.0255, 0.4905, 0.2938)$

Have a look what the booklet for
Yxy(20.0255, 0.4905, 0.2938)
contains.

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Color

Yxy(19.9990, 0.4905, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	DA4466
RGB	218, 68, 102
RGB Percent	85%, 27%, 40%
CMY	0.1451, 0.7333, 0.6000
CMYK	0.00, 0.69, 0.53, 0.15
HSL	346°, 67%, 56%
HSV	346°, 69%, 85%
XYZ	33.3770, 19.9990, 14.6709
YIQ	116.7260, 78.4860, 42.3740

Conversions

Conversions Part 2

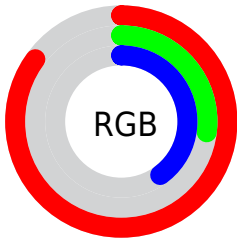
Format	Color
RYB	218, 68, 102
Decimal	14304358
CIELab	51.84, 60.36, 14.43
CIElCh	52, 62.058, 13.442
Yxy	19.9990, 0.4905, 0.2939
Android (android.graphics.Color)	4292494438 (0xFFDA4466)
YUV	116.7260, -7.2599, 88.8173
Hunter-Lab	44.7202, 54.9634, 11.8535

Details

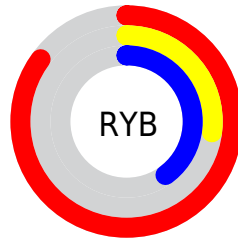
The Yxy color **19.9990, 0.4905, 0.2939** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **54.8295, 0.2491, 0.3782**, and the grayscale version is **17.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2271, 0.4271, 0.3005**, and **7.4536, 0.5520, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **17.5335, 0.5308, 0.2951**, and if you desaturate by 10%, it is **23.5146, 0.4516, 0.2960**.

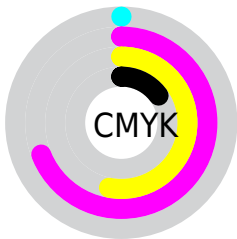
Distribution



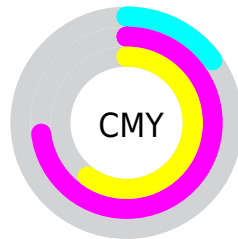
- Red (85%)
- Green (27%)
- Blue (40%)



- Red (85%)
- Yellow (27%)
- Blue (40%)



- Cyan (0%)
- Magenta (69%)
- Yellow (53%)
- Black (15%)





- Cyan (15%)
- Magenta (73%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9990, 0.4905, 0.2939 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 19.9990, 0.4905, 0.2939 by changing the saturation by 10% instead.


 19.9990, 0.4905,
0.2939


 19.9990, 0.4905,
0.2939

251.9097, 0.3892,
0.3173


 12.3943, 0.5200,
0.2855


 43.4155, 0.4506,
0.3042


 7.0128, 0.5603,
0.2729


 59.9961, 0.4365,
0.3075

 3.4701, 0.6175,
0.2526

 80.3375, 0.4250,
0.3100

 1.3818, 0.7125,
0.2207

 104.8240, 0.4155,
0.3121

 0.2033, 0.9063,
0.0937

 133.8401, 0.4074,
0.3138

 0.0000, 1.0000,
0.0000

167.7702, 0.4004,

 0.0000, 0.0000,

0.3152

0.0000

206.9986, 0.3945,
0.3163

■ 19.9990, 0.4905,
0.2939

■ 19.9990, 0.4905,
0.2939

■ 17.5335, 0.5308,
0.2951

■ 23.5146, 0.4516,
0.2960

■ 15.9957, 0.5685,
0.3001

■ 28.1781, 0.4166,
0.3003


■ 15.2038, 0.5992,
0.3083


■ 34.0799, 0.3866,
0.3059


■ 15.1292, 0.6025,
0.3093


■ 41.3002, 0.3616,
0.3120

■ 49.9127, 0.3412,
0.3182

 59.9855, 0.3247,
0.3241

 71.5821, 0.3112,
0.3296

 84.7624, 0.3004,
0.3348

 93.5633, 0.2912,
0.3302

Harmonies

Analogous

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



19.9990, 0.3837, 0.2316



19.9990, 0.4905, 0.2939



19.9990, 0.5332, 0.3650

Triad

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



19.9990, 0.4905, 0.2939



19.9990, 0.3209, 0.5420



19.9990, 0.1426, 0.1809

Complementary

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



19.9990, 0.4905, 0.2939



54.8295, 0.2491, 0.3782

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.



19.9990, 0.1324, 0.2302



19.9990, 0.4905, 0.2939



19.9990, 0.2238, 0.4659

Square

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



19.9990, 0.4905, 0.2939



19.9990, 0.4209, 0.5155



19.9990, 0.1574, 0.3313



19.9990, 0.1864, 0.1697

Rectangle

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



19.9990, 0.4905, 0.2939



19.9990, 0.5186, 0.4157



19.9990, 0.1574, 0.3313



19.9990, 0.1356, 0.1925

Sweetspot

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



20.0001, 0.4905, 0.2939



68.0771, 0.3457, 0.3167



19.2653, 0.2813, 0.1582



13.8242, 0.3513, 0.3150



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.



20.0001, 0.4905, 0.2939



23.7739, 0.5500, 0.2971



26.0495, 0.5045, 0.3721



13.0996, 0.3256, 0.3237



9.0783, 0.5990, 0.3074



0.6013, 0.5528, 0.2819

Inverse Universe

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



20.0001, 0.4905, 0.2939



23.7739, 0.5500, 0.2971



38.1317, 0.2193, 0.2702



13.0996, 0.3256, 0.3237



9.0783, 0.5990, 0.3074



0.6013, 0.5528, 0.2819

Previews

White Background



This preview shows how the Yxy color 19.9990, 0.4905, 0.2939 looks on a white 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

Black Background



This preview shows how the Yxy color 19.9990, 0.4905, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

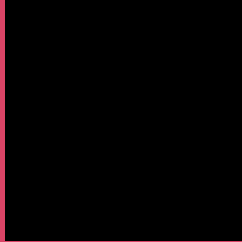
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9990, 0.4905, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 19.9990, 0.4905, 0.2939.



This preview shows how white text looks on a background with the Yxy color 19.9990, 0.4905, 0.2939.

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

19.9990, 0.4905, 0.2939

Protanopia

20.1376, 0.3073, 0.3162

Deuteranopia

20.1309, 0.3780, 0.3709



Tritanopia

20.0526, 0.5252, 0.3256

Trichromacy



Original Color

19.9990, 0.4905, 0.2939

Protanomaly

18.4275, 0.3689, 0.3016

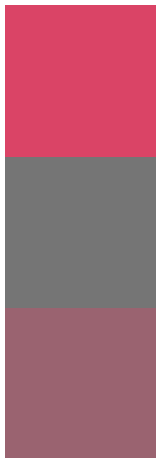
Deuteranomaly

18.7668, 0.4210, 0.3324

Tritanomaly

19.9301, 0.5133, 0.3143

Monochromacy



Original Color

19.9990, 0.4905, 0.2939

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.9636, 0.3753, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9990, 0.4905, 0.2939 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(218, 68, 102)` looks like.

```
.text, #text, p{  
  color:rgb(218, 68, 102)  
}
```

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(218, 68, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 68, 102) }
```

Border

The CSS property to change the border of an element to Yxy 19.9990, 0.4905, 0.2939 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(218, 68, 102) }
```

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

```
.border{ border-color:rgb(218, 68, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 68, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 68, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 68, 102);  
box-shadow:4px 4px 4px 4px rgb(218, 68,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9990, 0.4905, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 68, 102) }
```

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

```
.background{ background-color: rgb(218, 68,  
102) }
```

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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