

Converting Colors

$Yxy(19.4299, 0.3923, 0.2022)$

Have a look what the booklet for
Yxy(19.4299, 0.3923, 0.2022)
contains.

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Color

Yxy(19.4445, 0.3931, 0.2026)

Conversions

Conversions Part 1

Format	Color
Hex	DE21A8
RGB	222, 33, 168
RGB Percent	87%, 13%, 66%
CMY	0.1295, 0.8701, 0.3412
CMYK	0.00, 0.85, 0.24, 0.13
HSL	317°, 74%, 50%
HSV	317°, 85%, 87%
XYZ	37.7277, 19.4445, 38.8026
YIQ	104.9010, 69.3090, 82.0530

Conversions

Conversions Part 2

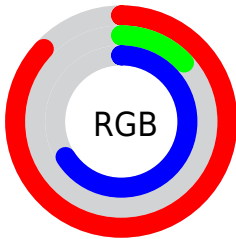
Format	Color
R _Y B	222, 33, 168
Decimal	14557608
CIE Lab	51.20, 77.79, -25.93
CIE LCh	51, 81.999, 341.567
Yxy	19.4445, 0.3931, 0.2026
Android (android.graphics.Color)	4292747688 (0xFFDE21A8)
YUV	104.9010, 31.1078, 102.6958
Hunter-Lab	44.0959, 75.5537, -21.3057

Details

The Yxy color **19.4445, 0.3931, 0.2026** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **53.2413, 0.2860, 0.5350**, and the grayscale version is **14.0149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4883, 0.3506, 0.2150**, and **8.9423, 0.4076, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **18.3581, 0.4049, 0.2024**, and if you desaturate by 10%, it is **21.3559, 0.3810, 0.2078**.

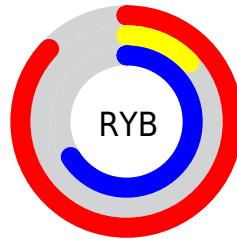
Distribution



Red (87%)

Green (13%)

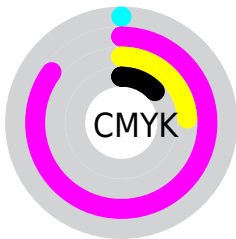
Blue (66%)



Red (87%)

Yellow (13%)

Blue (66%)

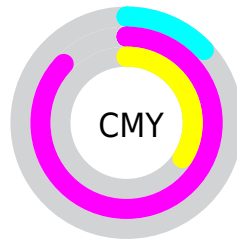


Cyan (0%)

Magenta (85%)

Yellow (24%)

Black (13%)



Cyan (13%)


Magenta (87%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4445, 0.3931, 0.2026 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 19.4445, 0.3931, 0.2026 by changing the saturation by 10% instead.


 19.4445, 0.3931,
0.2026


 19.4445, 0.3931,
0.2026


248.8918, 0.3513,
0.2667


 11.9919, 0.4039,
0.1867


 42.4839, 0.3776,
0.2259

 6.7382, 0.4180,
0.1665


 58.8394, 0.3718,
0.2347

 3.2989, 0.4368,
0.1403


 78.9314, 0.3670,
0.2421

 1.2897, 0.4629,
0.1058

 103.1442, 0.3629,
0.2485

 0.1332, 0.5191,
0.0259

 131.8623, 0.3594,
0.2540

 0.0000, 0.5658,
0.0000

165.4700, 0.3563,

 0.0000, 0.0000,

0.2588

0.0000

204.3517, 0.3536,
0.2630

■ 19.4445, 0.3931,
0.2026

■ 19.4445, 0.3931,
0.2026

■ 18.3581, 0.4049,
0.2024

■ 21.3559, 0.3810,
0.2078

■ 18.0112, 0.4106,
0.2035

■ 24.2271, 0.3691,
0.2175

■ 28.1718, 0.3576,
0.2310

■ 33.2870, 0.3471,
0.2472

■ 39.6586, 0.3375,
0.2651

■ 47.3647, 0.3291,
0.2836

■ 56.4769, 0.3218,
0.3022

■ 67.0616, 0.3155,
0.3202

■ 79.1811, 0.3102,
0.3373

Harmonies

Analogous

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



19.4445, 0.2455, 0.1541



19.4445, 0.3931, 0.2026



19.4445, 0.5399, 0.2726

Triad

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



19.4445, 0.3931, 0.2026



19.4445, 0.4368, 0.5476



19.4445, 0.0946, 0.2032

Complementary

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



19.4445, 0.3931, 0.2026



53.2413, 0.2860, 0.5350

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.



19.4445, 0.1204, 0.3356



19.4445, 0.3931, 0.2026



19.4445, 0.3138, 0.6163

Square

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



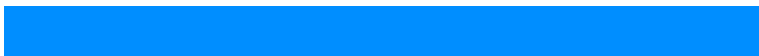
19.4445, 0.3931, 0.2026



19.4445, 0.5422, 0.4411



19.4445, 0.1977, 0.5316



19.4445, 0.1055, 0.1470

Rectangle

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



19.4445, 0.3931, 0.2026



19.4445, 0.5883, 0.3237



19.4445, 0.1977, 0.5316



19.4445, 0.0985, 0.2371

Sweetspot

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



19.4455, 0.3931, 0.2026



63.5852, 0.3300, 0.2815



8.3747, 0.1840, 0.0874



12.7915, 0.3328, 0.2750



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.



19.4455, 0.3931, 0.2026



24.6418, 0.4114, 0.2040



17.1138, 0.5585, 0.2996



13.8653, 0.3181, 0.3124



10.7217, 0.4089, 0.2026



0.7584, 0.3922, 0.1934

Inverse Universe

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



19.4455, 0.3931, 0.2026



24.6418, 0.4114, 0.2040



55.8898, 0.2443, 0.3890



13.8653, 0.3181, 0.3124



10.7217, 0.4089, 0.2026



0.7584, 0.3922, 0.1934

Previews

White Background



This preview shows how the Yxy color 19.4445, 0.3931, 0.2026 looks on a white background.

Color Contrast Check

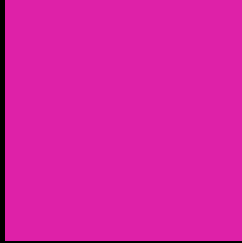
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4445, 0.3931, 0.2026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

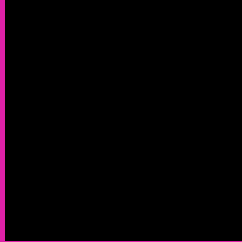
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4445, 0.3931, 0.2026

Background



This preview shows how black text looks on a background with the Yxy color 19.4445, 0.3931, 0.2026.



This preview shows how white text looks on a background with the Yxy color 19.4445, 0.3931, 0.2026.

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

19.4445, 0.3931, 0.2026

Protanopia

20.0119, 0.1891, 0.1639

Deuteranopia

19.8564, 0.2688, 0.2641



Tritanopia

19.5898, 0.5271, 0.3266

Trichromacy



Original Color

19.4445, 0.3931, 0.2026



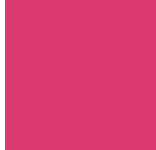
Protanomaly

15.5760, 0.2264, 0.1551



Deuteranomaly

16.7220, 0.3087, 0.2186



Tritanomaly

19.0357, 0.4837, 0.2774

Monochromacy



Original Color

19.4445, 0.3931, 0.2026



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.4464, 0.3477, 0.2473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4445, 0.3931, 0.2026 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(222, 33, 168)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 168)  
}
```

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(222, 33, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 168) }
```

Border

The CSS property to change the border of an element to Yxy 19.4445, 0.3931, 0.2026 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(222, 33, 168) }
```

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

```
.border{ border-color:rgb(222, 33, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 33, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 168);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4445, 0.3931, 0.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 168) }
```

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

```
.background{ background-color: rgb(222, 33,  
168) }
```

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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