

Converting Colors

$Yxy(19.6111, 0.3496, 0.1699)$

Have a look what the booklet for
Yxy(19.6111, 0.3496, 0.1699)
contains.

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Color

Yxy(19.6531, 0.3492, 0.1697)

Conversions

Conversions Part 1

Format	Color
Hex	DE00C7
RGB	222, 0, 199
RGB Percent	87%, 0%, 78%
CMY	0.1293, 1.0000, 0.2195
CMYK	0.00, 1.00, 0.10, 0.13
HSL	306°, 100%, 44%
HSV	306°, 100%, 87%
XYZ	40.4411, 19.6531, 55.7166
YIQ	89.0640, 68.4330, 108.9530

Conversions

Conversions Part 2

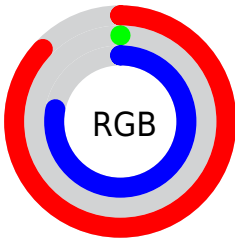
Format	Color
RYB	222, 0, 199
Decimal	14549191
CIELab	51.44, 85.37, -43.69
CIElCh	51, 95.896, 332.897
Yxy	19.6531, 0.3492, 0.1697
Android (android.graphics.Color)	4292739271 (0xFFDE00C7)
YUV	89.0640, 54.1984, 116.5849
Hunter-Lab	44.3318, 85.2537, -43.4839

Details

The Yxy color **19.6531, 0.3492, 0.1697** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **52.3161, 0.2982, 0.5937**, and the grayscale version is **9.8741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8457, 0.3195, 0.1854**, and **9.6950, 0.3507, 0.1706** is the 20% darker color. If you saturate the color by 10%, you get **19.6583, 0.3492, 0.1697**, and if you desaturate by 10%, it is **20.3475, 0.3458, 0.1716**.

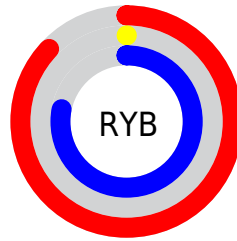
Distribution



Red (87%)

Green (0%)

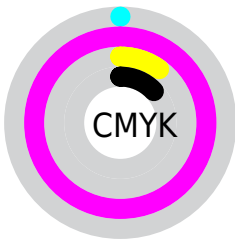
Blue (78%)



Red (87%)

Yellow (0%)

Blue (78%)

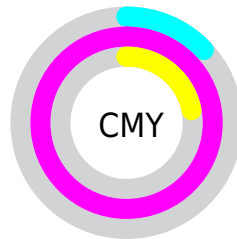


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6531, 0.3492, 0.1697 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 19.6531, 0.3492, 0.1697 by changing the saturation by 10% instead.


 19.6531, 0.3492,
0.1697


 19.6531, 0.3492,
0.1697


250.0309, 0.3340,
0.2463


 12.1431, 0.3518,
0.1522


 42.8348, 0.3445,
0.1965

 6.8412, 0.3544,
0.1309


 59.2753, 0.3425,
0.2069

 3.3630, 0.3565,
0.1049


 79.4615, 0.3407,
0.2158

 1.3241, 0.3567,
0.0735

 103.7777, 0.3391,
0.2235

 0.1597, 0.3589,
0.0182

 132.6084, 0.3376,
0.2303

 0.0000, 0.3339,
0.0000

 166.3379, 0.3363,

 0.0000, 0.1383,

0.2363

0.0000

205.3506, 0.3351,
0.2416

■ 0.0000, 0.0000,
0.0000

■ 19.6531, 0.3492,
0.1697

■ 19.6531, 0.3492,
0.1697

■ 19.6583, 0.3492,
0.1697

■ 20.3475, 0.3458,
0.1716

■ 21.7068, 0.3421,
0.1772

■ 23.9537, 0.3381,
0.1873

■ 27.2115, 0.3341,
0.2016

■ 31.5840, 0.3299,
0.2193

■ 37.1620, 0.3259,
0.2397

■ 44.0271, 0.3222,
0.2617

■ 52.2539, 0.3187,
0.2844

■ 61.9110, 0.3155,
0.3070

Harmonies

Analogous

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



19.6531, 0.1988, 0.1276



19.6531, 0.3492, 0.1697



19.6531, 0.5328, 0.2386

Triad

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



19.6531, 0.3492, 0.1697



19.6531, 0.4747, 0.5253



19.6531, 0.0770, 0.2144

Complementary

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



19.6531, 0.3492, 0.1697



52.3161, 0.2982, 0.5937

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.



19.6531, 0.1138, 0.3973



19.6531, 0.3492, 0.1697



19.6531, 0.3381, 0.6432

Square

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



19.6531, 0.3492, 0.1697



19.6531, 0.5884, 0.4068



19.6531, 0.2094, 0.6251



19.6531, 0.0803, 0.1377

Rectangle

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



19.6531, 0.3492, 0.1697



19.6531, 0.6111, 0.2900



19.6531, 0.2094, 0.6251



19.6531, 0.0837, 0.2611

Sweetspot

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



19.6583, 0.3492, 0.1697



60.0205, 0.3223, 0.2612



5.4480, 0.1529, 0.0616



11.9487, 0.3238, 0.2517



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.



19.6583, 0.3492, 0.1697



26.8948, 0.3494, 0.1699



16.2512, 0.5407, 0.2753



13.9099, 0.3154, 0.3082



11.6837, 0.3487, 0.1695



0.8170, 0.3439, 0.1668

Inverse Universe

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



19.6583, 0.3492, 0.1697



26.8948, 0.3494, 0.1699



53.9537, 0.2632, 0.4675



13.9099, 0.3154, 0.3082



11.6837, 0.3487, 0.1695



0.8170, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 19.6531, 0.3492, 0.1697 looks on a white background.

Color Contrast Check

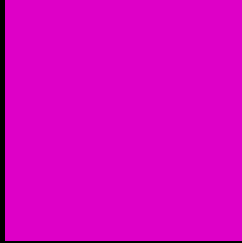
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6531, 0.3492, 0.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

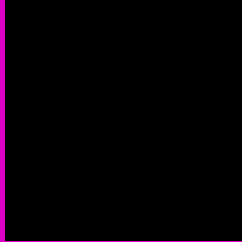
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6531, 0.3492, 0.1697

Background



This preview shows how black text looks on a background with the Yxy color 19.6531, 0.3492, 0.1697.



This preview shows how white text looks on a background with the Yxy color 19.6531, 0.3492, 0.1697.

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

19.6531, 0.3492, 0.1697

Protanopia

20.5887, 0.1737, 0.1454

Deuteranopia

20.4361, 0.2292, 0.2241



Tritanopia

19.9222, 0.5068, 0.3242

Trichromacy



Original Color

19.6531, 0.3492, 0.1697



Protanomaly

12.8587, 0.1845, 0.1139



Deuteranomaly

15.0163, 0.2600, 0.1684



Tritanomaly

18.2089, 0.4548, 0.2520

Monochromacy



Original Color

19.6531, 0.3492, 0.1697



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.8296, 0.3321, 0.2073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6531, 0.3492, 0.1697 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, 0, 199)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 199)  
}
```

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, 0, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 199) }
```

Border

The CSS property to change the border of an element to Yxy 19.6531, 0.3492, 0.1697 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, 0, 199) }
```

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

```
.border{ border-color:rgb(222, 0, 199) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6531, 0.3492, 0.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 199) }
```

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

```
.background{ background-color: rgb(222, 0,  
199) }
```

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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