

# Converting Colors

$Y_{xy}(19.5633, 0.4033, 0.1995)$

Have a look what the booklet for  
Yxy(19.5633, 0.4033, 0.1995)  
contains.

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**Color**

**Yxy(19.4852, 0.4035, 0.1996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E500A8
RGB	229, 0, 168
RGB Percent	90%, 0%, 66%
CMY	0.1018, 1.0000, 0.3411
CMYK	0.00, 1.00, 0.27, 0.10
HSL	316°, 100%, 45%
HSV	316°, 100%, 90%
XYZ	39.3902, 19.4852, 38.7459
YIQ	87.6230, 82.5560, 100.7960

# Conversions

## Conversions Part 2

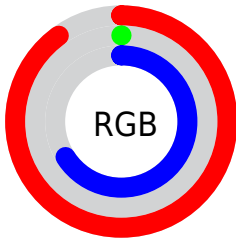
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 0, 168
Decimal	15007912
CIE <sub>Lab</sub>	51.25, 82.91, -25.78
CIE <sub>LCh</sub>	51, 86.824, 342.728
Yxy	19.4852, 0.4035, 0.1996
Android (android.graphics.Color)	4293197992 (0xFFE500A8)
YUV	87.6230, 39.6259, 123.9876
Hunter-Lab	44.1420, 82.0360, -21.1426

# Details

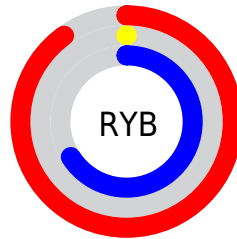
The Yxy color **19.4852, 0.4035, 0.1996** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **56.3917, 0.2915, 0.5694**, and the grayscale version is **9.5743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9535, 0.3514, 0.2091**, and **9.5858, 0.4174, 0.2073** is the 20% darker color. If you saturate the color by 10%, you get **19.4912, 0.4035, 0.1996**, and if you desaturate by 10%, it is **20.3329, 0.3929, 0.1983**.

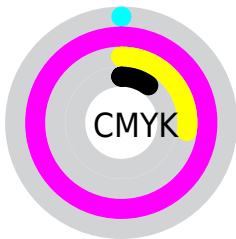
# Distribution



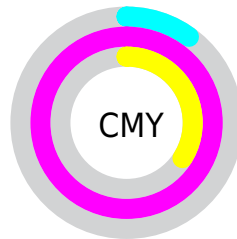
- Red (90%)
- Green (0%)
- Blue (66%)



- Red (90%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4852, 0.4035, 0.1996 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 19.4852, 0.4035, 0.1996 by changing the saturation by 10% instead.





 19.4852, 0.4035,  
0.1996

 19.4852, 0.4035,  
0.1996


249.1144, 0.3561,  
0.2650


 12.0214, 0.4158,  
0.1835


 42.5524, 0.3859,  
0.2233


 6.7583, 0.4318,  
0.1631


 58.9245, 0.3794,  
0.2323


 3.3114, 0.4533,  
0.1368


 79.0349, 0.3739,  
0.2398

 1.2964, 0.4833,  
0.1024

 103.2680, 0.3693,  
0.2463

 0.1384, 0.5451,  
0.0255

 132.0081, 0.3653,  
0.2519

 0.0000, 0.6021,  
0.0000

 165.6396, 0.3618,

 0.0000, 1.0000,

0.2568

0.0000

204.5469, 0.3588,  
0.2612

■ 0.0000, 0.0000,  
0.0000

■ 19.4852, 0.4035,  
0.1996

■ 19.4852, 0.4035,  
0.1996

■ 19.4912, 0.4035,  
0.1996

■ 20.3329, 0.3929,  
0.1983

■ 21.9064, 0.3819,  
0.2013

■ 24.4426, 0.3708,  
0.2092

■ 28.0749, 0.3600,  
0.2213

■ 32.9156, 0.3498,  
0.2366

■ 39.0630, 0.3403,  
0.2542

■ 46.6053, 0.3319,  
0.2730

■ 55.6230, 0.3245,  
0.2921

■ 66.1902, 0.3182,  
0.3109

# Harmonies

## Analogous

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



19.4852, 0.2467, 0.1490



19.4852, 0.4035, 0.1996



19.4852, 0.5566, 0.2714

# Triad

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



19.4852, 0.4035, 0.1996



19.4852, 0.4332, 0.5594



19.4852, 0.0870, 0.1928

# Complementary

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



19.4852, 0.4035, 0.1996



56.3917, 0.2915, 0.5694

# 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.



19.4852, 0.1102, 0.3269



19.4852, 0.4035, 0.1996



19.4852, 0.3043, 0.6329

# Square

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



19.4852, 0.4035, 0.1996



19.4852, 0.5462, 0.4451



19.4852, 0.1862, 0.5382



19.4852, 0.0997, 0.1387



# Rectangle

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



19.4852, 0.4035, 0.1996



19.4852, 0.6027, 0.3231



19.4852, 0.1862, 0.5382



19.4852, 0.0901, 0.2264

# Sweetspot

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



19.4912, 0.4035, 0.1996



59.2767, 0.3321, 0.2726



6.5362, 0.1635, 0.0674



11.7691, 0.3355, 0.2646



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.



19.4912, 0.4035, 0.1996



24.8515, 0.4041, 0.2000



16.9608, 0.5962, 0.3058



14.5462, 0.3178, 0.3119



11.1618, 0.4019, 0.1988



0.8400, 0.3874, 0.1908



# Inverse Universe

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



19.4912, 0.4035, 0.1996



24.8515, 0.4041, 0.2000



59.0246, 0.2481, 0.4130



14.5462, 0.3178, 0.3119



11.1618, 0.4019, 0.1988



0.8400, 0.3874, 0.1908



# Previews

## White Background



This preview shows how the Yxy color 19.4852, 0.4035, 0.1996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

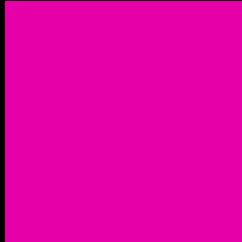
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.4852, 0.4035, 0.1996 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 19.4852, 0.4035, 0.1996**

## Background



This preview shows how black text looks on a background with the Yxy color 19.4852, 0.4035, 0.1996.



This preview shows how white text looks on a background with the Yxy color 19.4852, 0.4035, 0.1996.

# 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

19.4852, 0.4035, 0.1996

### Protanopia

20.4772, 0.1855, 0.1591

### Deuteranopia

19.9606, 0.2718, 0.2660



## Tritanopia

19.8557, 0.5459, 0.3270

# Trichromacy



## Original Color

19.4852, 0.4035, 0.1996



## Protanomaly

13.8245, 0.2199, 0.1378



## Deuteranomaly

15.1501, 0.3144, 0.2054



## Tritanomaly

18.6834, 0.5043, 0.2737

# Monochromacy



## Original Color

19.4852, 0.4035, 0.1996



## Achromatopsia

9.7587, 0.3127, 0.3290



## Achromatomaly

9.6017, 0.3572, 0.2246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.4852, 0.4035, 0.1996 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(229, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 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(229, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 19.4852, 0.4035, 0.1996 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(229, 0, 168) }
```

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

```
.border{ border-color:rgb(229, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.4852, 0.4035, 0.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 168) }
```

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

```
.background{ background-color: rgb(229, 0,  
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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