

# Converting Colors

$Yxy(18.9799, 0.3259, 0.1569)$

Have a look what the booklet for  
Yxy(18.9799, 0.3259, 0.1569)  
contains.

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**Color**

**Yxy(18.9493, 0.3257, 0.1568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D600D2
RGB	214, 0, 210
RGB Percent	84%, 0%, 82%
CMY	0.1608, 0.9995, 0.1766
CMYK	0.00, 1.00, 0.02, 0.16
HSL	301°, 100%, 42%
HSV	301°, 100%, 84%
XYZ	39.3609, 18.9493, 62.5399
YIQ	87.9260, 60.1340, 110.6780

# Conversions

## Conversions Part 2

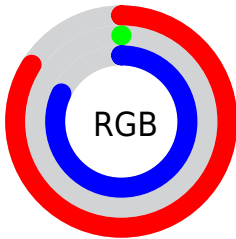
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 0, 210
Decimal	14024914
CIE <sub>Lab</sub>	50.63, 85.50, -51.37
CIE <sub>LCh</sub>	51, 99.747, 328.999
Yxy	18.9493, 0.3257, 0.1568
Android (android.graphics.Color)	4292214994 (0xFFD600D2)
YUV	87.9260, 60.1825, 110.5669
Hunter-Lab	43.5308, 85.2222, -54.7094

# Details

The Yxy color **18.9493, 0.3257, 0.1568** 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 **48.1011, 0.2997, 0.5990**, and the grayscale version is **9.6145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6644, 0.3195, 0.1848**, and **9.2366, 0.3193, 0.1533** is the 20% darker color. If you saturate the color by 10%, you get **18.9474, 0.3257, 0.1568**, and if you desaturate by 10%, it is **19.5233, 0.3250, 0.1599**.

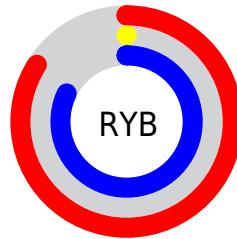
# Distribution



Red (84%)

Green (0%)

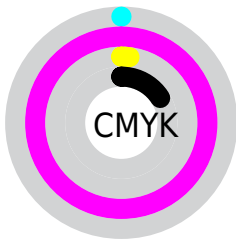
Blue (82%)



Red (84%)

Yellow (0%)

Blue (82%)

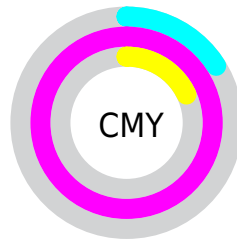


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (16%)



Cyan (16%)

Magenta (100%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9493, 0.3257, 0.1568 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 18.9493, 0.3257, 0.1568 by changing the saturation by 10% instead.




 18.9493, 0.3257,  
0.1568


 18.9493, 0.3257,  
0.1568


246.1687, 0.3240,  
0.2384

 11.6336, 0.3245,  
0.1387


 41.6484, 0.3263,  
0.1849

 6.4947, 0.3221,  
0.1170


 57.8007, 0.3261,  
0.1960


 3.1482, 0.3172,  
0.0911


 77.6672, 0.3259,  
0.2055

 1.2096, 0.3077,  
0.0609

 101.6325, 0.3255,  
0.2138

 0.0695, 0.2952,  
0.0069

 130.0809, 0.3252,  
0.2211

 0.0000, 0.2508,  
0.0000

 163.3968, 0.3248,

 0.0000, 0.0365,

0.2275

0.0000

201.9646, 0.3244,  
0.2332

■ 0.0000, 0.0000,  
0.0000

■ 18.9493, 0.3257,  
0.1568

■ 18.9493, 0.3257,  
0.1568

■ 18.9474, 0.3257,  
0.1568

■ 19.5233, 0.3250,  
0.1599

■ 20.7098, 0.3242,  
0.1665

■ 22.7111, 0.3231,  
0.1774

■ 25.6393, 0.3218,  
0.1925

■ 29.5891, 0.3204,  
0.2112

■ 34.6433, 0.3188,  
0.2328

■ 40.8765, 0.3173,  
0.2562

■ 48.3565, 0.3157,  
0.2807

■ 57.1462, 0.3142,  
0.3052

# Harmonies

## Analogous

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



18.9493, 0.1795, 0.1184



18.9493, 0.3257, 0.1568



18.9493, 0.5207, 0.2240

# Triad

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



18.9493, 0.3257, 0.1568



18.9493, 0.4918, 0.5082



18.9493, 0.0722, 0.2250

# Complementary

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



18.9493, 0.3257, 0.1568



48.1011, 0.2997, 0.5990

# 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.



18.9493, 0.1147, 0.4340



18.9493, 0.3257, 0.1568



18.9493, 0.3534, 0.6465

# Square

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



18.9493, 0.3257, 0.1568



18.9493, 0.6074, 0.3900



18.9493, 0.2176, 0.6609



18.9493, 0.0720, 0.1369



# Rectangle

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



18.9493, 0.3257, 0.1568



18.9493, 0.6138, 0.2755



18.9493, 0.2176, 0.6609



18.9493, 0.0803, 0.2789

# Sweetspot

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



18.9502, 0.3257, 0.1568



60.4279, 0.3173, 0.2554



4.8813, 0.1505, 0.0603



12.0478, 0.3180, 0.2452



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.



18.9502, 0.3257, 0.1568



28.1751, 0.3258, 0.1568



15.2875, 0.5050, 0.2556



12.6285, 0.3141, 0.3065



11.4548, 0.3256, 0.1567



0.6922, 0.3248, 0.1563



# Inverse Universe

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



18.9502, 0.3257, 0.1568



28.1751, 0.3258, 0.1568



49.2314, 0.2713, 0.4966



12.6285, 0.3141, 0.3065



11.4548, 0.3256, 0.1567



0.6922, 0.3248, 0.1563



# Previews

## White Background



This preview shows how the Yxy color 18.9493, 0.3257, 0.1568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

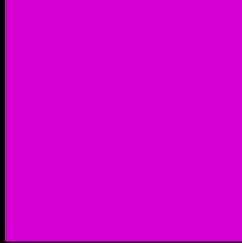
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 18.9493, 0.3257, 0.1568 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 18.9493, 0.3257, 0.1568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.9493, 0.3257, 0.1568.



This preview shows how white text looks on a background with the Yxy color 18.9493, 0.3257, 0.1568.

# 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

18.9493, 0.3257, 0.1568

### Protanopia

19.8590, 0.1737, 0.1454

### Deuteranopia

19.7749, 0.2116, 0.2069



## Tritanopia

19.1567, 0.4857, 0.3223

# Trichromacy



## Original Color

18.9493, 0.3257, 0.1568



## Protanomaly

12.6500, 0.1824, 0.1117



## Deuteranomaly

14.2251, 0.2360, 0.1516



## Tritanomaly

17.2437, 0.4307, 0.2408

# Monochromacy



## Original Color

18.9493, 0.3257, 0.1568



## Achromatopsia

9.7587, 0.3127, 0.3290



## Achromatomaly

9.5626, 0.3222, 0.1999

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.9493, 0.3257, 0.1568 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(214, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 210)  
}
```

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(214, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 18.9493, 0.3257, 0.1568 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(214, 0, 210) }
```

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

```
.border{ border-color:rgb(214, 0, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.9493, 0.3257, 0.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 210) }
```

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

```
.background{ background-color: rgb(214, 0,  
210) }
```

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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