

# Converting Colors

XYZ(40.1593, 19.4488, 58.5357)

Have a look what the booklet for  
XYZ(40.1593, 19.4488, 58.5357)  
contains.

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# Color

**XYZ(40.1125, 19.4197,  
58.7610)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB00CC
RGB	219, 0, 204
RGB Percent	86%, 0%, 80%
CMY	0.1412, 0.9999, 0.2000
CMYK	0.00, 1.00, 0.07, 0.14
HSL	304°, 100%, 43%
HSV	304°, 100%, 86%
XYZ	40.1125, 19.4197, 58.7610
YIQ	88.7370, 65.0400, 109.8720

# Conversions

## Conversions Part 2

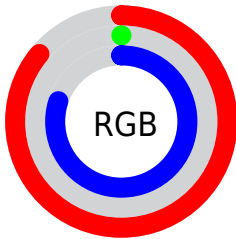
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 0, 204
Decimal	14352588
CIE <sub>Lab</sub>	51.17, 85.50, -47.01
CIE <sub>LCh</sub>	51, 97.573, 331.195
Yxy	19.4197, 0.3391, 0.1642
Android (android.graphics.Color)	4292542668 (0xFFDB00CC)
YUV	88.7370, 56.8247, 114.2407
Hunter-Lab	44.0678, 85.3602, -48.2112

# Details

The XYZ color **40.1125, 19.4197, 58.7610** 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 **25.4187, 50.6984, 8.8993**, and the grayscale version is **9.3108, 9.7957, 10.6675**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **19.7229, 9.5409, 29.2358** is the 20% darker color. If you saturate the color by 10%, you get **40.1126, 19.4198, 58.7597**, and if you desaturate by 10%, it is **40.5794, 20.0636, 59.8089**.

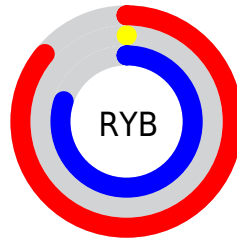
# Distribution



Red (86%)

Green (0%)

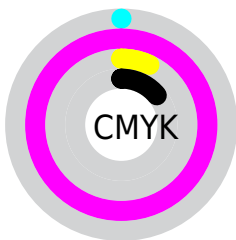
Blue (80%)



Red (86%)

Yellow (0%)

Blue (80%)

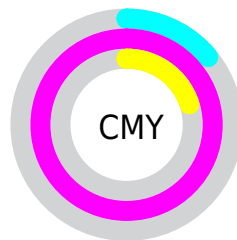


Cyan (0%)

Magenta (100%)

Yellow (7%)

Black (14%)



Cyan (14%)

Magenta (100%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1125, 19.4197, 58.7610 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 XYZ color 40.1125, 19.4197, 58.7610 by changing the saturation by 10% instead.





 40.1125, 19.4197,  
58.7610


 40.1125, 19.4197,  
58.7610


337.7238,  
248.7560, 437.6928

 27.8109, 11.9739,  
42.0020


 74.6180, 42.4421,  
104.5559


 18.3229, 6.7259,  
28.7773


 97.5527, 58.7875,  
134.4289


 11.2831, 3.2913,  
18.6683


 124.7623, 78.8683,  
169.5104

 6.3263, 1.2856,  
11.2564

 156.6124,  
103.0688, 210.2188

 3.0870, 0.1300,  
6.1233

 193.4682,  
131.7734, 256.9727

 1.2000, 0.0000,  
2.8502

 235.6952,

 0.1063, 0.0000,

165.3666, 310.1906

1.0187

283.6586,  
204.2327, 370.2912

■ 0.0000, 0.0000,  
0.0000

■ 40.1125, 19.4197,  
58.7610

■ 40.1125, 19.4197,  
58.7610

■ 40.1126, 19.4198,  
58.7597

■ 40.5794, 20.0636,  
59.8089

■ 41.3709, 21.3544,  
60.9735

■ 42.5935, 23.5046,  
62.2903

■ 44.3067, 26.6332,  
63.7793

■ 46.5606, 30.8404,  
65.4572

■ 49.3992, 36.2142,  
67.3387

■ 52.8619, 42.8334,  
69.4369

■ 56.9846, 50.7700,  
71.7639

■ 61.8008, 60.0904,  
74.3306

# Harmonies

## Analogous

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



29.9079, 19.4197, 107.7162



40.1125, 19.4197, 58.7610



44.1051, 19.4197, 20.0498

# Triad

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



40.1125, 19.4197, 58.7610



18.0714, 19.4197, 0.0000



6.6549, 19.4197, 62.6595

# Complementary

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



40.1125, 19.4197, 58.7610



25.4187, 50.6984, 8.8993

# 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.



5.3814, 19.4197, 22.2789



40.1125, 19.4197, 58.7610



10.3816, 19.4197, 0.3333

# Square

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



40.1125, 19.4197, 58.7610



28.9877, 19.4197, 0.1911



6.4598, 19.4197, 4.4333



10.8477, 19.4197, 111.0494



# Rectangle

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



40.1125, 19.4197, 58.7610



41.8943, 19.4197, 7.1111



6.4598, 19.4197, 4.4333



5.9538, 19.4197, 46.9483

# Sweetspot

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



40.1133, 19.4206, 58.7614



74.4776, 60.1872, 97.9366



12.9778, 5.2138, 67.3409



15.4749, 11.9892, 20.6854



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.1133, 19.4206, 58.7614



56.6038, 27.4055, 82.8344



31.2760, 15.8858, 12.2253



13.5739, 13.2586, 16.2832



23.8012, 11.5215, 34.9290



1.5538, 0.7512, 2.3251



# Inverse Universe

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



40.1133, 19.4206, 58.7614



56.6038, 27.4055, 82.8344



28.9776, 52.1220, 27.6404



13.5739, 13.2586, 16.2832



23.8012, 11.5215, 34.9290



1.5538, 0.7512, 2.3251



# Previews

## White Background



This preview shows how the XYZ color 40.1125, 19.4197, 58.7610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

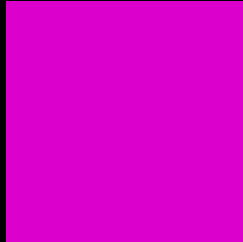
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.1125, 19.4197, 58.7610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

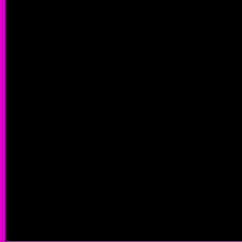
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.1125, 19.4197, 58.7610**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1125, 19.4197, 58.7610.



This preview shows how white text looks on a background with the XYZ color 40.1125, 19.4197,

58.7610.

# 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

40.1125, 19.4197, 58.7610

### Protanopia

24.3264, 20.2855, 95.5619

### Deuteranopia

20.6219, 20.0464, 52.6516



## Tritanopia

30.2405, 19.6586, 10.7950

# Trichromacy



## Original Color

40.1125, 19.4197, 58.7610



## Protanomaly

20.8881, 12.8725, 79.9810



## Deuteranomaly

22.8415, 14.6685, 53.8520



## Tritanomaly

31.9441, 17.7750, 22.1694

# Monochromacy



## Original Color

40.1125, 19.4197, 58.7610



## Achromatopsia

9.4954, 9.9899, 10.8790



## Achromatomaly

15.7132, 9.7992, 22.5360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1125, 19.4197, 58.7610 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(219, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 204)  
}
```

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(219, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1125, 19.4197, 58.7610 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(219, 0, 204) }
```



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

```
.border{ border-color:rgb(219, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1125, 19.4197, 58.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 204) }
```

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

```
.background{ background-color: rgb(219, 0,  
204) }
```

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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