

Converting Colors

XYZ(40.9012, 19.8351, 58.3997)

Have a look what the booklet for
XYZ(40.9012, 19.8351, 58.3997)
contains.

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Color

**XYZ(40.9037, 19.8414,
58.1738)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00CB
RGB	222, 0, 203
RGB Percent	87%, 0%, 80%
CMY	0.1294, 0.9999, 0.2039
CMYK	0.00, 1.00, 0.09, 0.13
HSL	305°, 100%, 44%
HSV	305°, 100%, 87%
XYZ	40.9037, 19.8414, 58.1738
YIQ	89.5200, 67.1490, 110.1970

Conversions

Conversions Part 2

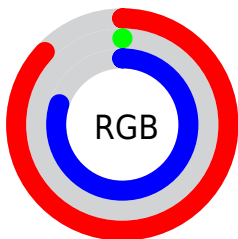
Format	Color
R_{YB}	222, 0, 203
Decimal	14549195
CIE _{Lab}	51.66, 85.87, -45.64
CIE _{LCh}	52, 97.243, 332.010
Yxy	19.8414, 0.3440, 0.1668
Android (android.graphics.Color)	4292739275 (0xFFDE00CB)
YUV	89.5200, 55.9456, 116.1850
Hunter-Lab	44.5437, 85.9620, -46.2518

Details

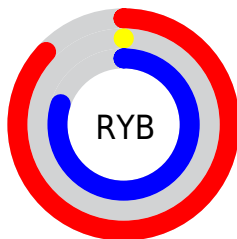
The XYZ color **40.9037, 19.8414, 58.1738** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.2399, 52.2905, 9.3279**, and the grayscale version is **9.4848, 9.9787, 10.8668**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **20.2456, 9.8195, 28.8453** is the 20% darker color. If you saturate the color by 10%, you get **40.9037, 19.8414, 58.1721**, and if you desaturate by 10%, it is **41.4234, 20.5157, 59.4715**.

Distribution



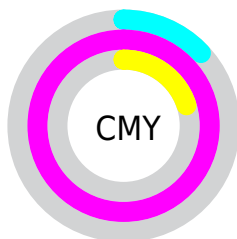
- Red (87%)
- Green (0%)
- Blue (80%)



- Red (87%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9037, 19.8414, 58.1738 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 40.9037, 19.8414, 58.1738 by changing the saturation by 10% instead.


 40.9037, 19.8414,
58.1738


 40.9037, 19.8414,
58.1738

340.9874,
251.0552, 435.4496

 28.4312, 12.2798,
41.5328


 75.8133, 43.1511,
103.6932


 18.7931, 6.9345,
28.4128


 98.9811, 59.6680,
133.4086


 11.6240, 3.4212,
18.3953

 126.4447, 79.9389,
168.3193

 6.5585, 1.3554,
11.0618

 158.5695,
104.3480, 208.8437

 3.2314, 0.1835,
5.9937

 195.7208,
133.2798, 255.4003

 1.2773, 0.0000,
2.7725

 238.2640,

 0.1661, 0.0000,

167.1186, 308.4079

0.9797

286.5644,
206.2490, 368.2848

■ 0.0000, 0.0000,
0.0000

■ 40.9037, 19.8414,
58.1738

■ 40.9037, 19.8414,
58.1738

■ 40.9037, 19.8414,
58.1721

■ 41.4234, 20.5157,
59.4715

■ 42.2798, 21.8591,
60.8949

■ 43.5819, 24.0897,
62.4808

■ 45.3914, 27.3307,
64.2496

■ 47.7602, 31.6856,
66.2188

■ 50.7337, 37.2455,
68.4034

■ 54.3527, 44.0919,
70.8172

■ 58.6545, 52.2991,
73.4727

■ 63.6733, 61.9360,
76.3812

Harmonies

Analogous

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



30.7302, 19.8414, 107.4322



40.9037, 19.8414, 58.1738



44.6930, 19.8414, 19.7634

Triad

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



40.9037, 19.8414, 58.1738



18.2046, 19.8414, 0.0000



6.9587, 19.8414, 64.7620

Complementary

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



40.9037, 19.8414, 58.1738



26.2399, 52.2905, 9.3279

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.



5.5900, 19.8414, 23.5552



40.9037, 19.8414, 58.1738



10.5221, 19.8414, 0.4620

Square

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



40.9037, 19.8414, 58.1738



29.1701, 19.8414, 0.2235



6.6237, 19.8414, 4.8741



11.3183, 19.8414, 113.0493

Rectangle

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



40.9037, 19.8414, 58.1738



42.3131, 19.8414, 7.0227



6.6237, 19.8414, 4.8741



6.2183, 19.8414, 48.8373

Sweetspot

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



40.9045, 19.8424, 58.1742



74.2735, 60.1055, 96.8614



13.4449, 5.4086, 69.4433



15.4253, 11.9693, 20.4241



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.



40.9045, 19.8424, 58.1742



55.9725, 27.1530, 79.5101



32.0796, 16.3124, 11.7031



14.2418, 13.9143, 17.0433



24.3164, 11.7935, 34.6613



1.7006, 0.8235, 2.4821

Inverse Universe

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



40.9045, 19.8424, 58.1742



55.9725, 27.1530, 79.5101



30.1189, 53.8421, 29.7543



14.2418, 13.9143, 17.0433



24.3164, 11.7935, 34.6613



1.7006, 0.8235, 2.4821

Previews

White Background



This preview shows how the XYZ color 40.9037, 19.8414, 58.1738 looks on a white background.

Color Contrast Check

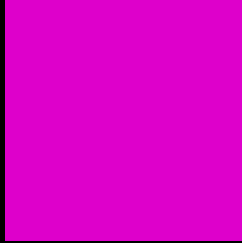
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9037, 19.8414, 58.1738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

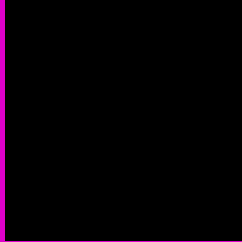
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9037, 19.8414, 58.1738

Background



This preview shows how black text looks on a background with the XYZ color 40.9037, 19.8414, 58.1738.



This preview shows how white text looks on a background with the XYZ color 40.9037, 19.8414,

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

40.9037, 19.8414, 58.1738

Protanopia

24.8416, 20.6917, 97.2923

Deuteranopia

21.0253, 20.4522, 52.1297



Tritanopia

31.3723, 20.2421, 10.8479

Trichromacy



Original Color

40.9037, 19.8414, 58.1738



Protanomaly

21.4711, 13.1563, 80.7647



Deuteranomaly

23.2938, 15.0211, 53.3014



Tritanomaly

33.1044, 18.3732, 22.2237

Monochromacy



Original Color

40.9037, 19.8414, 58.1738



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.0411, 9.9682, 22.5513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9037, 19.8414, 58.1738 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 40.9037, 19.8414, 58.1738 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, 203) }
```


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

```
.border{ border-color:rgb(222, 0, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9037, 19.8414, 58.1738 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, 203) }
```

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

```
.background{ background-color: rgb(222, 0,  
203) }
```

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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