

Converting Colors

XYZ(37.7440, 18.2225, 57.5769)

Have a look what the booklet for
XYZ(37.7440, 18.2225, 57.5769)
contains.

XYZ(37.8120, 18.2613, 57.4090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8120, 18.2613,
57.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	D400CA
RGB	212, 0, 202
RGB Percent	83%, 0%, 79%
CMY	0.1686, 0.9999, 0.2078
CMYK	0.00, 1.00, 0.05, 0.17
HSL	303°, 100%, 42%
HSV	303°, 100%, 83%
XYZ	37.8120, 18.2613, 57.4090
YIQ	86.4160, 61.5100, 107.7660

Conversions

Conversions Part 2

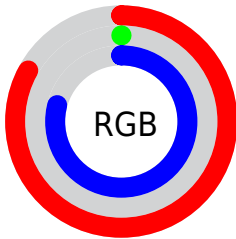
Format	Color
R_{YB}	212, 0, 202
Decimal	13893834
CIE _{Lab}	49.81, 84.06, -48.11
CIE _{LCh}	50, 96.855, 330.220
Yxy	18.2613, 0.3332, 0.1609
Android (android.graphics.Color)	4292083914 (0xFFD400CA)
YUV	86.4160, 56.9829, 110.1372
Hunter-Lab	42.7332, 83.1604, -49.7385

Details

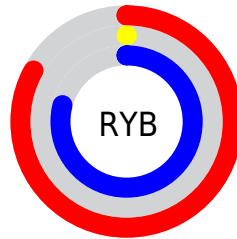
The XYZ color **37.8120, 18.2613, 57.4090** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.5991, 47.1097, 8.1374**, and the grayscale version is **8.8112, 9.2700, 10.0951**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.2154, 8.7820, 28.3388** is the 20% darker color. If you saturate the color by 10%, you get **37.8122, 18.2614, 57.4083**, and if you desaturate by 10%, it is **38.2037, 18.8539, 58.1259**.

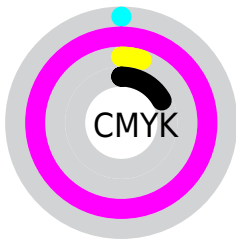
Distribution



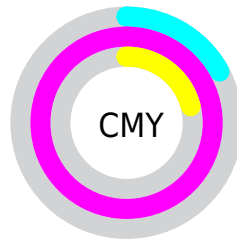
- Red (83%)
- Green (0%)
- Blue (79%)



- Red (83%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8120, 18.2613, 57.4090 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 37.8120, 18.2613, 57.4090 by changing the saturation by 10% instead.

 37.8120, 18.2613,
57.4090


 37.8120, 18.2613,
57.4090


328.1076,
242.3398, 432.5167

 26.0134, 11.1377,
40.9222


 71.1256, 40.4821,
102.5680

 16.9664, 6.1596,
27.9390

 93.3714, 56.3481,
132.0772

 10.3057, 2.9423,
18.0411


 119.8302, 75.8970,
166.7643

 5.6659, 1.1017,
10.8097

 150.8674, 99.5133,
207.0478

 2.6817, 0.0000,
5.8265

 186.8484,
127.5814, 253.3462

 0.9878, 0.0000,
2.6728

 228.1385,

 0.0000, 0.0000,

160.4855, 306.0782

0.9297

275.1031,
198.6102, 365.6622

■ 0.0000, 0.0000,
0.0000

■ 37.8120, 18.2613,
57.4090

■ 37.8120, 18.2613,
57.4090

■ 37.8122, 18.2614,
57.4083

■ 38.2037, 18.8539,
58.1259

■ 38.8942, 20.0436,
58.9461

■ 39.9840, 22.0305,
59.9032

■ 41.5277, 24.9241,
61.0154

■ 43.5717, 28.8170,
62.2982

■ 46.1565, 33.7903,
63.7650

■ 49.3184, 39.9166,
65.4281

■ 53.0908, 47.2624,
67.2985

■ 57.5042, 55.8892,
69.3864

Harmonies

Analogous

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



27.9309, 18.2613, 104.3107



37.8120, 18.2613, 57.4090



41.8963, 18.2613, 19.6888

Triad

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



37.8120, 18.2613, 57.4090



17.2887, 18.2613, 0.0000



6.0810, 18.2613, 58.0974

Complementary

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



37.8120, 18.2613, 57.4090



23.5991, 47.1097, 8.1374

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.



4.9576, 18.2613, 20.0793



37.8120, 18.2613, 57.4090



9.8582, 18.2613, 0.1531

Square

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



37.8120, 18.2613, 57.4090



27.7691, 18.2613, 0.1271



6.0472, 18.2613, 3.8007



9.9394, 18.2613, 104.9013

Rectangle

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



37.8120, 18.2613, 57.4090



39.9558, 18.2613, 6.9667



6.0472, 18.2613, 3.8007



5.4481, 18.2613, 43.1835

Sweetspot

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



37.8127, 18.2622, 57.4094



74.7343, 60.2898, 99.2883



11.9730, 4.8000, 62.5835



15.5374, 12.0142, 21.0143



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.



37.8127, 18.2622, 57.4094



57.4130, 27.7292, 87.0959



29.4018, 14.8978, 13.1180



12.9265, 12.6221, 15.5534



23.3539, 11.2779, 35.4974



1.4166, 0.6834, 2.1831

Inverse Universe

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



37.8127, 18.2622, 57.4094



57.4130, 27.7292, 87.0959



26.5294, 48.2818, 23.5681



12.9265, 12.6221, 15.5534



23.3539, 11.2779, 35.4974



1.4166, 0.6834, 2.1831

Previews

White Background



This preview shows how the XYZ color 37.8120, 18.2613, 57.4090 looks on a white background.

Color Contrast Check

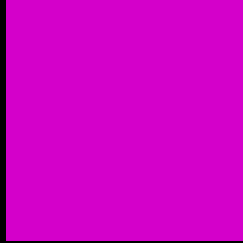
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.8120, 18.2613, 57.4090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

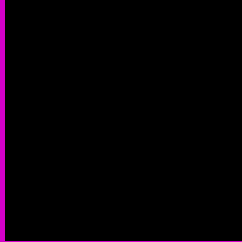
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8120, 18.2613, 57.4090

Background



This preview shows how black text looks on a background with the XYZ color 37.8120, 18.2613, 57.4090.



This preview shows how white text looks on a background with the XYZ color 37.8120, 18.2613,

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

37.8120, 18.2613, 57.4090

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.4904, 18.9445, 51.3446



Tritanopia

28.2156, 18.5114, 10.4734

Trichromacy



Original Color

37.8120, 18.2613, 57.4090



Protanomaly

19.7923, 12.1885, 76.1724



Deuteranomaly

21.3753, 13.7311, 52.5627



Tritanomaly

29.8732, 16.6509, 21.7181

Monochromacy



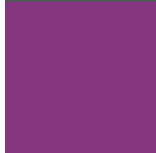
Original Color

37.8120, 18.2613, 57.4090



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7782, 9.1964, 21.4183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8120, 18.2613, 57.4090 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(212, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 202)  
}
```

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(212, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.8120, 18.2613, 57.4090 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(212, 0, 202) }
```


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

```
.border{ border-color:rgb(212, 0, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 0, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8120, 18.2613, 57.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 202) }
```

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

```
.background{ background-color: rgb(212, 0,  
202) }
```

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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