

Converting Colors

XYZ(37.6311, 18.1773, 56.9821)

Have a look what the booklet for
XYZ(37.6311, 18.1773, 56.9821)
contains.

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Color

**XYZ(37.6940, 18.2141,
56.7873)**

Conversions

Conversions Part 1

Format	Color
Hex	D400C9
RGB	212, 0, 201
RGB Percent	83%, 0%, 79%
CMY	0.1686, 0.9999, 0.2118
CMYK	0.00, 1.00, 0.05, 0.17
HSL	303°, 100%, 42%
HSV	303°, 100%, 83%
XYZ	37.6940, 18.2141, 56.7873
YIQ	86.3020, 61.8310, 107.4550

Conversions

Conversions Part 2

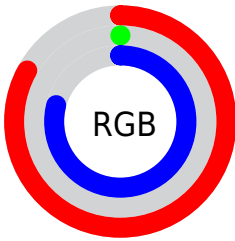
Format	Color
R_{YB}	212, 0, 201
Decimal	13893833
CIE _{Lab}	49.75, 83.93, -47.62
CIE _{LCh}	50, 96.493, 330.430
Yxy	18.2141, 0.3345, 0.1616
Android (android.graphics.Color)	4292083913 (0xFFD400C9)
YUV	86.3020, 56.5461, 110.2371
Hunter-Lab	42.6780, 82.9681, -49.0167

Details

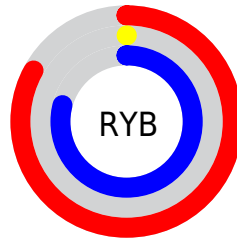
The XYZ color **37.6940, 18.2141, 56.7873** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.6048, 47.1120, 8.1670**, and the grayscale version is **8.7879, 9.2455, 10.0684**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.1372, 8.7507, 27.9272** is the 20% darker color. If you saturate the color by 10%, you get **37.6942, 18.2142, 56.7865**, and if you desaturate by 10%, it is **38.0968, 18.8112, 57.5626**.

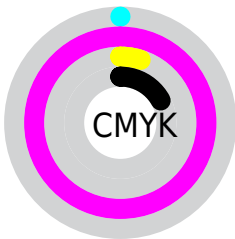
Distribution



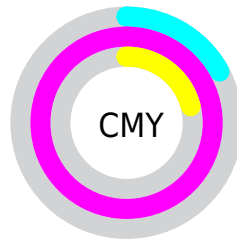
- Red (83%)
- Green (0%)
- Blue (79%)



- 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 37.6940, 18.2141, 56.7873 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 37.6940, 18.2141, 56.7873 by changing the saturation by 10% instead.

 37.6940, 18.2141,
56.7873


 37.6940, 18.2141,
56.7873


327.6091,
242.0751, 430.1232


 25.9214, 11.1038,
40.4263


 70.9458, 40.4018,
101.6520

 16.8972, 6.1367,
27.5547


 93.1557, 56.2480,
130.9928


 10.2561, 2.9284,
17.7542


 119.5755, 75.7750,
165.4972

 5.6327, 1.0945,
10.6060

 150.5704, 99.3671,
205.5838

 2.6615, 0.0000,
5.6918

 186.5059,
127.4088, 251.6712

 0.9774, 0.0000,
2.5928

 227.7473,

 0.0000, 0.0000,

160.2844, 304.1779

0.8888

274.6599,
198.3784, 363.5224

■ 0.0000, 0.0000,
0.0000

■ 37.6940, 18.2141,
56.7873

■ 37.6940, 18.2141,
56.7873

■ 37.6942, 18.2142,
56.7865

■ 38.0968, 18.8112,
57.5626

■ 38.7985, 20.0053,
58.4420

■ 39.8997, 21.9968,
59.4591

■ 41.4550, 24.8950,
60.6322

■ 43.5107, 28.7926,
61.9768

■ 46.1074, 33.7706,
63.5062

■ 49.2814, 39.9017,
65.2328

■ 53.0659, 47.2525,
67.1675

■ 57.4918, 55.8842,
69.3206

Harmonies

Analogous

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



27.9005, 18.2141, 103.3783



37.6940, 18.2141, 56.7873



41.6957, 18.2141, 19.4543

Triad

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



37.6940, 18.2141, 56.7873



17.1795, 18.2141, 0.0000



6.1035, 18.2141, 58.1255

Complementary

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



37.6940, 18.2141, 56.7873



23.6048, 47.1120, 8.1670

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.



4.9671, 18.2141, 20.2147



37.6940, 18.2141, 56.7873



9.8119, 18.2141, 0.1806

Square

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



37.6940, 18.2141, 56.7873



27.5857, 18.2141, 0.1300



6.0375, 18.2141, 3.8691



9.9702, 18.2141, 104.5255

Rectangle

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



37.6940, 18.2141, 56.7873



39.7299, 18.2141, 6.8873



6.0375, 18.2141, 3.8691



5.4666, 18.2141, 43.2802

Sweetspot

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



37.6947, 18.2150, 56.7877



74.6773, 60.2670, 98.9882



12.0173, 4.8229, 62.5857



15.5235, 12.0086, 20.9413



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.



37.6947, 18.2150, 56.7877



57.2319, 27.6567, 86.1420



29.2367, 14.8318, 12.2482



12.9239, 12.6211, 15.5395



23.2820, 11.2491, 35.1188



1.4130, 0.6820, 2.1642

Inverse Universe

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



37.6947, 18.2150, 56.7877



57.2319, 27.6567, 86.1420



26.7325, 48.3631, 24.6372



12.9239, 12.6211, 15.5395



23.2820, 11.2491, 35.1188



1.4130, 0.6820, 2.1642

Previews

White Background



This preview shows how the XYZ color 37.6940, 18.2141, 56.7873 looks on a white background.

Color Contrast Check

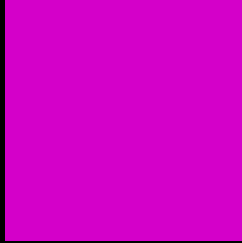
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6940, 18.2141, 56.7873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

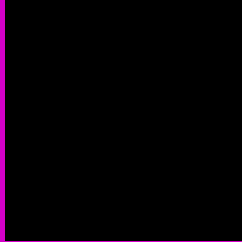
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6940, 18.2141, 56.7873

Background



This preview shows how black text looks on a background with the XYZ color 37.6940, 18.2141, 56.7873.



This preview shows how white text looks on a background with the XYZ color 37.6940, 18.2141,

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

37.6940, 18.2141, 56.7873

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.4691, 18.9461, 50.7749



Tritanopia

28.2156, 18.5114, 10.4734

Trichromacy



Original Color

37.6940, 18.2141, 56.7873



Protanomaly

19.6522, 12.1325, 75.4348



Deuteranomaly

21.4160, 13.7650, 51.9802



Tritanomaly

29.8732, 16.6509, 21.7181

Monochromacy



Original Color

37.6940, 18.2141, 56.7873



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 37.6940, 18.2141, 56.7873 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 201) }
```

Border

The CSS property to change the border of an element to XYZ 37.6940, 18.2141, 56.7873 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, 201) }
```


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

```
.border{ border-color:rgb(212, 0, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 201);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6940, 18.2141, 56.7873 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, 201) }
```

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

```
.background{ background-color: rgb(212, 0,  
201) }
```

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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