

Converting Colors

XYZ(37.0627, 17.8659, 57.7874)

Have a look what the booklet for
XYZ(37.0627, 17.8659, 57.7874)
contains.

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Color

**XYZ(37.0740, 17.8671,
57.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	D100CB
RGB	209, 0, 203
RGB Percent	82%, 0%, 80%
CMY	0.1804, 0.9999, 0.2039
CMYK	0.00, 1.00, 0.03, 0.18
HSL	302°, 100%, 41%
HSV	302°, 100%, 82%
XYZ	37.0740, 17.8671, 57.9946
YIQ	85.6330, 59.4010, 107.4410

Conversions

Conversions Part 2

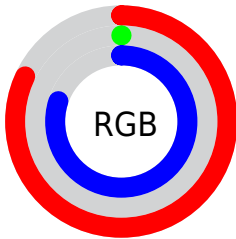
Format	Color
R_{YB}	209, 0, 203
Decimal	13697227
CIE _{Lab}	49.33, 83.71, -49.48
CIE _{LCh}	49, 97.239, 329.416
Yxy	17.8671, 0.3283, 0.1582
Android (android.graphics.Color)	4291887307 (0xFFD100CB)
YUV	85.6330, 57.8619, 108.1929
Hunter-Lab	42.2695, 82.5883, -51.7584

Details

The XYZ color **37.0740, 17.8671, 57.9946** 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 **22.8342, 45.6150, 7.7742**, and the grayscale version is **8.6445, 9.0947, 9.9041**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **17.9230, 8.6221, 28.7366** is the 20% darker color. If you saturate the color by 10%, you get **37.0743, 17.8673, 57.9943**, and if you desaturate by 10%, it is **37.4130, 18.4297, 58.4613**.

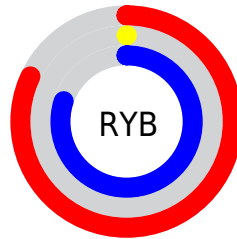
Distribution



Red (82%)

Green (0%)

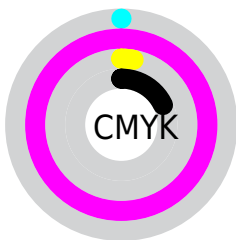
Blue (80%)



Red (82%)

Yellow (0%)

Blue (80%)

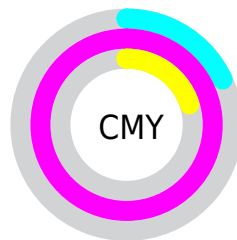


Cyan (0%)

Magenta (100%)

Yellow (3%)

Black (18%)



Cyan (18%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0740, 17.8671, 57.9946 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 37.0740, 17.8671, 57.9946 by changing the saturation by 10% instead.

 37.0740, 17.8671,
57.9946


 37.0740, 17.8671,
57.9946

324.9808,
240.1209, 434.7635


 25.4387, 10.8546,
41.3896


 69.9997, 39.8107,
103.4297

 16.5347, 5.9692,
28.3017


 92.0208, 55.5107,
133.0969


 9.9965, 2.8263,
18.3122


 118.2346, 74.8752,
167.9553

 5.4589, 1.0418,
11.0026

 149.0064, 98.2888,
208.4234

 2.5565, 0.0000,
5.9544

 184.7015,
126.1357, 254.9197

 0.9238, 0.0000,
2.7490

 225.6854,

 0.0000, 0.0000,

158.8005, 307.8628

0.9680

272.3234,
196.6674, 367.6712

■ 0.0000, 0.0000,
0.0000

■ 37.0740, 17.8671,
57.9946

■ 37.0740, 17.8671,
57.9946

■ 37.0743, 17.8673,
57.9943

■ 37.4130, 18.4297,
58.4613

■ 38.0400, 19.5686,
59.0252

■ 39.0529, 21.4788,
59.7192

■ 40.5045, 24.2660,
60.5608

■ 42.4394, 28.0194,
61.5648

■ 44.8968, 32.8173,
62.7444

■ 47.9119, 38.7300,
64.1112

■ 51.5166, 45.8217,
65.6760

■ 55.7406, 54.1515,
67.4486

Harmonies

Analogous

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



27.1702, 17.8671, 104.6093



37.0740, 17.8671, 57.9946



41.3451, 17.8671, 19.9722

Triad

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



37.0740, 17.8671, 57.9946



17.1621, 17.8671, 0.0000



5.8055, 17.8671, 56.1719

Complementary

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



37.0740, 17.8671, 57.9946



22.8342, 45.6150, 7.7742

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.



4.7662, 17.8671, 18.9453



37.0740, 17.8671, 57.9946



9.7246, 17.8671, 0.0250

Square

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



37.0740, 17.8671, 57.9946



27.5972, 17.8671, 0.0942



5.8936, 17.8671, 3.4309



9.5120, 17.8671, 103.0412

Rectangle

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



37.0740, 17.8671, 57.9946



39.5625, 17.8671, 7.0527



5.8936, 17.8671, 3.4309



5.2076, 17.8671, 41.4675

Sweetspot

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



37.0747, 17.8679, 57.9949



74.9583, 60.3794, 100.4679



11.5531, 4.6268, 60.6066



15.5919, 12.0360, 21.3017



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.



37.0747, 17.8679, 57.9949



58.1332, 28.0173, 90.8886



28.6457, 14.4964, 13.6085



12.2955, 12.0030, 14.8321



22.8652, 11.0189, 35.7919



1.2832, 0.6180, 2.0262

Inverse Universe

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



37.0747, 17.8679, 57.9949



58.1332, 28.0173, 90.8886



25.5078, 46.6844, 21.8534



12.2955, 12.0030, 14.8321



22.8652, 11.0189, 35.7919



1.2832, 0.6180, 2.0262

Previews

White Background



This preview shows how the XYZ color 37.0740, 17.8671, 57.9946 looks on a white background.

Color Contrast Check

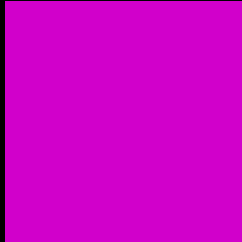
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0740, 17.8671, 57.9946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

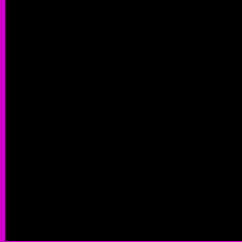
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0740, 17.8671, 57.9946

Background



This preview shows how black text looks on a background with the XYZ color 37.0740, 17.8671, 57.9946.



This preview shows how white text looks on a background with the XYZ color 37.0740, 17.8671,

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

37.0740, 17.8671, 57.9946

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

19.0614, 18.5330, 51.8628



Tritanopia

27.5343, 18.2635, 10.6683

Trichromacy



Original Color

37.0740, 17.8671, 57.9946



Protanomaly

19.3666, 11.9030, 74.6756



Deuteranomaly

20.8922, 13.4690, 53.1284



Tritanomaly

29.1675, 16.3437, 22.0394

Monochromacy



Original Color

37.0740, 17.8671, 57.9946



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6887, 9.1427, 21.7594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0740, 17.8671, 57.9946 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(209, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.0740, 17.8671, 57.9946 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(209, 0, 203) }
```


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

```
.border{ border-color:rgb(209, 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(209, 0, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0740, 17.8671, 57.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 203) }
```

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

```
.background{ background-color: rgb(209, 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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