

Converting Colors

XYZ(37.3031, 17.7874, 66.9426)

Have a look what the booklet for
XYZ(37.3031, 17.7874, 66.9426)
contains.

XYZ(37.4262, 17.8471, 67.1179)	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(37.4262, 17.8471,
67.1179)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00D9
RGB	204, 0, 217
RGB Percent	80%, 0%, 85%
CMY	0.2000, 0.9999, 0.1490
CMYK	0.06, 1.00, 0.00, 0.15
HSL	296°, 100%, 43%
HSV	296°, 100%, 85%
XYZ	37.4262, 17.8471, 67.1179
YIQ	85.7340, 51.9270, 110.7350

Conversions

Conversions Part 2

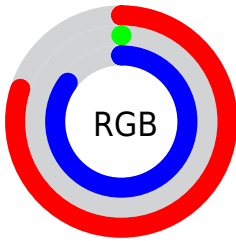
Format	Color
RYB	204, 0, 217
Decimal	13369561
CIELab	49.31, 84.97, -57.61
CIELCh	49, 102.657, 325.863
Yxy	17.8471, 0.3058, 0.1458
Android (android.graphics.Color)	4291559641 (0xFFCC00D9)
YUV	85.7340, 64.7141, 103.7193
Hunter-Lab	42.2458, 84.2056, -64.6247

Details

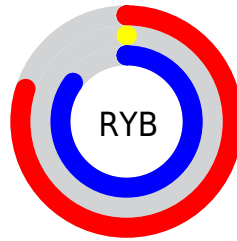
The XYZ color **37.4262, 17.8471, 67.1179** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.9794, 49.7117, 8.2795**, and the grayscale version is **8.6523, 9.1029, 9.9130**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.1101, 8.5930, 34.4223** is the 20% darker color. If you saturate the color by 10%, you get **37.4263, 17.8472, 67.1182**, and if you desaturate by 10%, it is **38.0662, 18.5952, 67.2288**.

Distribution



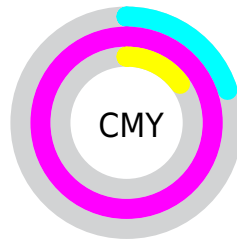
- Red (80%)
- Green (0%)
- Blue (85%)



- Red (80%)
- Yellow (0%)
- Blue (85%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (20%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4262, 17.8471, 67.1179 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 37.4262, 17.8471, 67.1179 by changing the saturation by 10% instead.

 37.4262, 17.8471,
67.1179


 37.4262, 17.8471,
67.1179

326.4756,
240.0078, 468.8772

 25.7128, 10.8403,
48.7182

 70.5374, 39.7766,
116.7316


 16.7405, 5.9595,
34.0320


 92.6659, 55.4681,
148.7827


 10.1438, 2.8205,
22.6406


 118.9969, 74.8232,
186.2214

 5.5574, 1.0387,
14.1256

 149.8956, 98.2264,
229.4662

 2.6159, 0.0000,
8.0683

 185.7275,
126.0621, 278.9356

 0.9541, 0.0000,
4.0503

 226.8579,

 0.0000, 0.0000,

158.7146, 335.0482

1.6530

273.6522,
196.5684, 398.2226

■ 0.0000, 0.0000,
0.3282

■ 0.0000, 0.0000,
0.0000

■ 37.4262, 17.8471,
67.1179

■ 37.4262, 17.8471,
67.1179

■ 37.4263, 17.8472,
67.1182

■ 38.0662, 18.5952,
67.2288

■ 39.0248, 19.9766,
67.4449

■ 40.4067, 22.2003,
67.8013

■ 42.2700, 25.3825,
68.3173

■ 44.6639, 29.6213,
69.0093

■ 47.6312, 35.0024,
69.8916

■ 51.2105, 41.6031,
70.9770

■ 55.4370, 49.4937,
72.2773

■ 60.3432, 58.7392,
73.8033

Harmonies

Analogous

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



26.4146, 17.8471, 117.2184



37.4262, 17.8471, 67.1179



43.0210, 17.8471, 23.5239

Triad

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



37.4262, 17.8471, 67.1179



18.3373, 17.8471, 0.0000



5.1444, 17.8471, 53.0598

Complementary

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



37.4262, 17.8471, 67.1179



24.9794, 49.7117, 8.2795

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.



4.3697, 17.8471, 15.8453



37.4262, 17.8471, 67.1179



10.0872, 17.8471, 0.0000

Square

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



37.4262, 17.8471, 67.1179



29.6536, 17.8471, 0.0033



5.7727, 17.8471, 2.2639



8.5349, 17.8471, 104.9678

Rectangle

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



37.4262, 17.8471, 67.1179



41.8081, 17.8471, 8.2243



5.7727, 17.8471, 2.2639



4.6417, 17.8471, 37.8813

Sweetspot

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



37.4270, 17.8479, 67.1183



73.6440, 59.6612, 102.2421



12.6884, 5.3373, 66.0074



15.2717, 11.8610, 21.7344



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.



37.4270, 17.8479, 67.1183



53.8913, 25.6969, 96.7273



32.1894, 16.1818, 20.1583



13.5333, 13.2331, 16.4931



22.6883, 10.8204, 40.6311



1.4937, 0.7133, 2.6334

Inverse Universe

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



28.6884, 14.7814, 1.7226



41.3282, 21.2953, 2.3945



26.8358, 50.4351, 18.9214



13.0875, 13.0641, 13.7221



17.3791, 8.9527, 1.1104



1.1373, 0.5845, 0.1319

Previews

White Background



This preview shows how the XYZ color 37.4262, 17.8471, 67.1179 looks on a white background.

Color Contrast Check

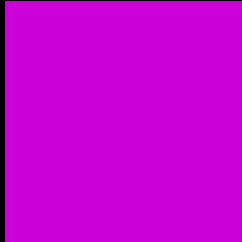
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4262, 17.8471, 67.1179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

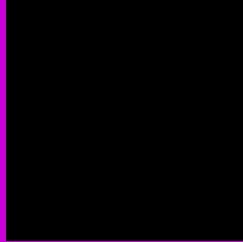
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4262, 17.8471, 67.1179

Background



This preview shows how black text looks on a background with the XYZ color 37.4262, 17.8471, 67.1179.



This preview shows how white text looks on a background with the XYZ color 37.4262, 17.8471,

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

37.4262, 17.8471, 67.1179

Protanopia

22.1577, 18.6723, 86.4407

Deuteranopia

19.1369, 18.5768, 59.7038



Tritanopia

26.1231, 18.0711, 12.0088

Trichromacy



Original Color

37.4262, 17.8471, 67.1179



Protanomaly

19.9146, 12.1041, 78.3775



Deuteranomaly

20.3997, 13.0235, 61.7602



Tritanomaly

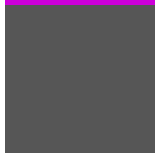
28.0827, 15.9138, 25.2585

Monochromacy



Original Color

37.4262, 17.8471, 67.1179



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7225, 9.1207, 23.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4262, 17.8471, 67.1179 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(204, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 217)  
}
```

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(204, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 37.4262, 17.8471, 67.1179 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(204, 0, 217) }
```


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

```
.border{ border-color:rgb(204, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4262, 17.8471, 67.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 217) }
```

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

```
.background{ background-color: rgb(204, 0,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor