

Converting Colors

XYZ(37.3593, 17.9845, 59.3491)

Have a look what the booklet for
XYZ(37.3593, 17.9845, 59.3491)
contains.

XYZ(37.3139, 17.9631, 59.2582)	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(37.3139, 17.9631,
59.2582)**

Conversions

Conversions Part 1

Format	Color
Hex	D100CD
RGB	209, 0, 205
RGB Percent	82%, 0%, 80%
CMY	0.1804, 0.9999, 0.1961
CMYK	0.00, 1.00, 0.02, 0.18
HSL	301°, 100%, 41%
HSV	301°, 100%, 82%
XYZ	37.3139, 17.9631, 59.2582
YIQ	85.8610, 58.7590, 108.0630

Conversions

Conversions Part 2

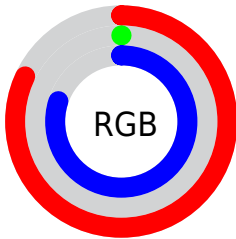
Format	Color
R_{YB}	209, 0, 205
Decimal	13697229
CIE _{Lab}	49.45, 83.99, -50.44
CIE _{LCh}	49, 97.977, 329.013
Yxy	17.9631, 0.3258, 0.1568
Android (android.graphics.Color)	4291887309 (0xFFD100CD)
YUV	85.8610, 58.7355, 107.9929
Hunter-Lab	42.3829, 82.9813, -53.2291

Details

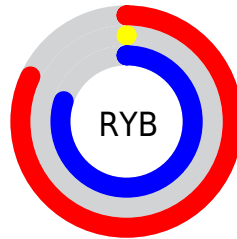
The XYZ color **37.3139, 17.9631, 59.2582** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **22.8232, 45.6105, 7.7166**, and the grayscale version is **8.6909, 9.1435, 9.9573**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.0827, 8.6860, 29.5777** is the 20% darker color. If you saturate the color by 10%, you get **37.3142, 17.9632, 59.2581**, and if you desaturate by 10%, it is **37.6296, 18.5164, 59.6022**.

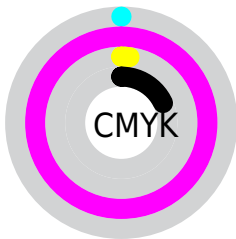
Distribution



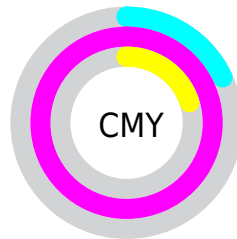
- Red (82%)
- Green (0%)
- Blue (80%)



- Red (82%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (18%)





- Cyan (18%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3139, 17.9631, 59.2582 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 37.3139, 17.9631, 59.2582 by changing the saturation by 10% instead.

 37.3139, 17.9631,
59.2582

 37.3139, 17.9631,
59.2582

325.9995,
240.6630, 439.5866


 25.6254, 10.9235,
42.3996

 70.3660, 39.9744,
105.2856


 16.6748, 6.0154,
29.0864


 92.4603, 55.7150,
135.2916

 10.0968, 2.8545,
18.9001


 118.7540, 75.1246,
170.5171

 5.5259, 1.0562,
11.4220

 149.6123, 98.5877,
211.3807

 2.5969, 0.0000,
6.2337

 185.4007,
126.4887, 258.3009

 0.9444, 0.0000,
2.9166

 226.4844,

 0.0000, 0.0000,

159.2120, 311.6962

1.0522

273.2289,
197.1419, 371.9853

■ 0.0000, 0.0000,
0.0000

■ 37.3139, 17.9631,
59.2582

■ 37.3139, 17.9631,
59.2582

■ 37.3142, 17.9632,
59.2581

■ 37.6296, 18.5164,
59.6022

■ 38.2332, 19.6460,
60.0426

■ 39.2225, 21.5469,
60.6122

■ 40.6504, 24.3246,
61.3286

■ 42.5615, 28.0686,
62.2067

■ 44.9949, 32.8570,
63.2595

■ 47.9857, 38.7602,
64.4987

■ 51.5661, 45.8421,
65.9351

■ 55.7657, 54.1623,
67.5785

Harmonies

Analogous

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



27.2357, 17.9631, 106.4982



37.3139, 17.9631, 59.2582



41.7498, 17.9631, 20.4494

Triad

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



37.3139, 17.9631, 59.2582



17.3816, 17.9631, 0.0000



5.7636, 17.9631, 56.1325

Complementary

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



37.3139, 17.9631, 59.2582



22.8232, 45.6105, 7.7166

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.



4.7488, 17.9631, 18.6943



37.3139, 17.9631, 59.2582



9.8175, 17.9631, 0.0000

Square

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



37.3139, 17.9631, 59.2582



27.9667, 17.9631, 0.0885



5.9134, 17.9631, 3.3076



9.4551, 17.9631, 103.8053

Rectangle

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



37.3139, 17.9631, 59.2582



40.0177, 17.9631, 7.2138



5.9134, 17.9631, 3.3076



5.1732, 17.9631, 41.2928

Sweetspot

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



37.3146, 17.9639, 59.2586



75.0751, 60.4262, 101.0829



11.5531, 4.6269, 60.6064



15.6204, 12.0474, 21.4516



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.



37.3146, 17.9639, 59.2586



58.5139, 28.1695, 92.8929



28.6457, 14.4964, 13.6088



12.3006, 12.0050, 14.8589



23.0110, 11.0773, 36.5598



1.2898, 0.6206, 2.0610

Inverse Universe

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



37.3146, 17.9639, 59.2586



58.5139, 28.1695, 92.8929



25.5078, 46.6843, 21.8537



12.3006, 12.0050, 14.8589



23.0110, 11.0773, 36.5598



1.2898, 0.6206, 2.0610

Previews

White Background



This preview shows how the XYZ color 37.3139, 17.9631, 59.2582 looks on a white background.

Color Contrast Check

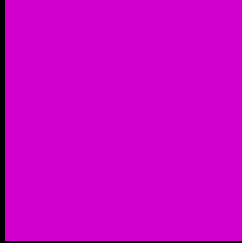
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3139, 17.9631, 59.2582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

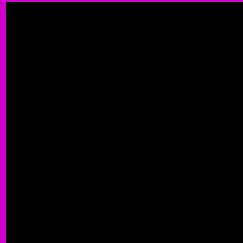
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3139, 17.9631, 59.2582

Background



This preview shows how black text looks on a background with the XYZ color 37.3139, 17.9631, 59.2582.



This preview shows how white text looks on a background with the XYZ color 37.3139, 17.9631,

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

37.3139, 17.9631, 59.2582

Protanopia

22.4599, 18.7931, 88.0316

Deuteranopia

19.2438, 18.7791, 53.0625



Tritanopia

27.3871, 18.2925, 10.8914

Trichromacy



Original Color

37.3139, 17.9631, 59.2582



Protanomaly

19.6460, 12.0148, 76.1465



Deuteranomaly

20.9747, 13.4852, 54.3207



Tritanomaly

29.2778, 16.4585, 22.4026

Monochromacy



Original Color

37.3139, 17.9631, 59.2582



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 37.3139, 17.9631, 59.2582 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.3139, 17.9631, 59.2582 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, 205) }
```


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

```
.border{ border-color:rgb(209, 0, 205) }
```

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, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(209, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3139, 17.9631, 59.2582 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, 205) }
```

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

```
.background{ background-color: rgb(209, 0,  
205) }
```

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