

Converting Colors

XYZ(37.0547, 21.0462, 29.8631)

Have a look what the booklet for
XYZ(37.0547, 21.0462, 29.8631)
contains.

XYZ(37.1133, 21.0814, 29.7168)	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(37.1133, 21.0814,
29.7168)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3E93
RGB	222, 62, 147
RGB Percent	87%, 24%, 58%
CMY	0.1294, 0.7568, 0.4235
CMYK	0.00, 0.72, 0.34, 0.13
HSL	328°, 71%, 56%
HSV	328°, 72%, 87%
XYZ	37.1133, 21.0814, 29.7168
YIQ	119.5300, 68.0750, 60.3550

Conversions

Conversions Part 2

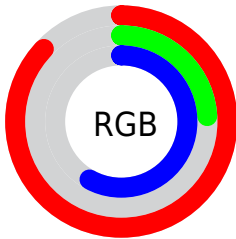
Format	Color
RYB	222, 62, 147
Decimal	14565011
CIELab	53.04, 67.88, -10.70
CIELCh	53, 68.713, 351.042
Yxy	21.0814, 0.4222, 0.2398
Android (android.graphics.Color)	4292755091 (0xFFDE3E93)
YUV	119.5300, 13.5427, 89.8662
Hunter-Lab	45.9145, 63.9336, -6.2336

Details

The XYZ color **37.1133, 21.0814, 29.7168** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **32.6246, 55.0735, 32.5812**, and the grayscale version is **17.6471, 18.5662, 20.2185**.

A 20% lighter version of the original color is **58.7421, 39.3961, 59.7665**, and **17.0116, 8.5259, 11.8154** is the 20% darker color. If you saturate the color by 10%, you get **35.3629, 18.8289, 25.2849**, and if you desaturate by 10%, it is **39.4315, 24.3511, 34.7029**.

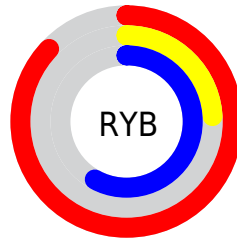
Distribution



Red (87%)

Green (24%)

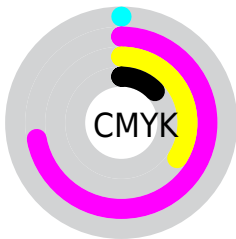
Blue (58%)



Red (87%)

Yellow (24%)

Blue (58%)

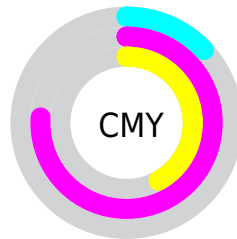


Cyan (0%)

Magenta (72%)

Yellow (34%)

Black (13%)



Cyan (13%)


Magenta (76%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1133, 21.0814, 29.7168 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 37.1133, 21.0814, 29.7168 by changing the saturation by 10% instead.

 37.1133, 21.0814,
29.7168


 37.1133, 21.0814,
29.7168


325.1478,
257.7108, 314.7483


 25.4693, 13.1835,
19.3735


 70.0597, 45.2230,
60.2697


 16.5576, 7.5550,
11.7609


 92.0928, 62.2354,
81.3164


 10.0129, 3.8116,
6.4606


 118.3197, 83.0549,
106.7680

 5.4699, 1.5687,
3.0538

 149.1057,
108.0657, 137.0431

 2.5631, 0.3364,
1.1222

 184.8161,
137.6523, 172.5601

 0.9272, 0.0000,
0.0000

225.8164,

 0.0000, 0.0000,

172.1991, 213.7376

0.0000

272.4718,
212.0905, 260.9941

■ 37.1133, 21.0814,
29.7168

■ 37.1133, 21.0814,
29.7168

■ 35.3629, 18.8289,
25.2849

■ 39.4315, 24.3511,
34.7029

■ 34.1123, 17.4609,
21.3743


■ 42.3712, 28.7426,
40.2697


■ 33.3902, 16.8360,
18.6081


■ 45.9813, 34.3508,
46.4428


■ 50.3052, 41.2597,
53.2451

■ 55.3826, 49.5457,
60.6982

 61.2498, 59.2793,
68.8224

 67.9411, 70.5262,
77.6369

 75.4884, 83.3479,
87.1600

 81.7110, 93.3803,
96.6723

Harmonies

Analogous

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



32.8846, 21.0814, 58.1174



37.1133, 21.0814, 29.7168



35.9843, 21.0814, 11.4349

Triad

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



37.1133, 21.0814, 29.7168



15.4553, 21.0814, 2.2522



12.5158, 21.0814, 69.8176

Complementary

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



37.1133, 21.0814, 29.7168



32.6246, 55.0735, 32.5812

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.



9.6739, 21.0814, 40.3900



37.1133, 21.0814, 29.7168



11.0659, 21.0814, 5.9343

Square

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



37.1133, 21.0814, 29.7168



22.2771, 21.0814, 1.8221



9.2159, 21.0814, 17.3040



17.9527, 21.0814, 88.8684

Rectangle

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



37.1133, 21.0814, 29.7168



32.4352, 21.0814, 5.4960



9.2159, 21.0814, 17.3040



11.2858, 21.0814, 60.1994

Sweetspot

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



37.1139, 21.0825, 29.7172



75.7416, 67.7013, 82.9862



25.1708, 14.0109, 70.4851



15.7834, 13.7873, 17.1469



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.



37.1139, 21.0825, 29.7172



47.5455, 24.7771, 32.0671



32.8709, 19.3853, 7.3735



14.0100, 13.8216, 15.8229



19.8898, 10.0229, 11.3514



1.4238, 0.7128, 1.0245

Inverse Universe

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



37.1139, 21.0825, 29.7172



47.5455, 24.7771, 32.0671



40.5897, 58.2596, 74.5248



14.0100, 13.8216, 15.8229



19.8898, 10.0229, 11.3514



1.4238, 0.7128, 1.0245

Previews

White Background



This preview shows how the XYZ color 37.1133, 21.0814, 29.7168 looks on a white background.

Color Contrast Check

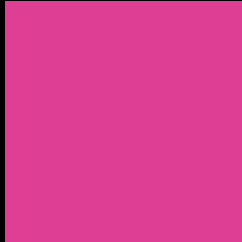
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.1133, 21.0814, 29.7168 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 37.1133, 21.0814, 29.7168

Background



This preview shows how black text looks on a background with the XYZ color 37.1133, 21.0814, 29.7168.



This preview shows how white text looks on a background with the XYZ color 37.1133, 21.0814,

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

37.1133, 21.0814, 29.7168

Protanopia

22.4536, 21.3882, 51.6601

Deuteranopia

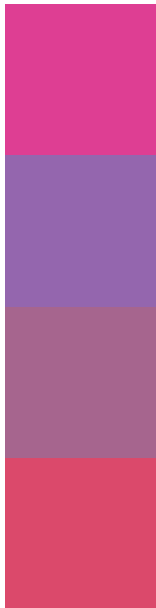
21.6994, 21.3477, 27.4029



Tritanopia

33.0115, 20.9838, 10.6979

Trichromacy



Original Color

37.1133, 21.0814, 29.7168

Protanomaly

24.6041, 18.8546, 42.3869

Deuteranomaly

25.2621, 19.3673, 27.9980

Tritanomaly

34.2498, 20.8867, 16.1363

Monochromacy



Original Color

37.1133, 21.0814, 29.7168

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.3957, 17.7035, 23.3558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1133, 21.0814, 29.7168 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(222, 62, 147)` looks like.

```
.text, #text, p{  
    color:rgb(222, 62, 147)  
}
```

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(222, 62, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 62, 147) }
```

Border

The CSS property to change the border of an element to XYZ 37.1133, 21.0814, 29.7168 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(222, 62, 147) }
```


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

```
.border{ border-color:rgb(222, 62, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 62, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 62, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 62, 147);  
box-shadow:4px 4px 4px 4px rgb(222, 62,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1133, 21.0814, 29.7168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 62, 147) }
```

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

```
.background{ background-color: rgb(222, 62,  
147) }
```

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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