

Converting Colors

XYZ(23.6202, 14.0784, 37.0840)

Have a look what the booklet for
XYZ(23.6202, 14.0784, 37.0840)
contains.

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Color

**XYZ(23.7292, 14.1699,
37.0817)**

Conversions

Conversions Part 1

Format	Color
Hex	A340A5
RGB	163, 64, 165
RGB Percent	64%, 25%, 65%
CMY	0.3608, 0.7490, 0.3529
CMYK	0.01, 0.61, 0.00, 0.35
HSL	299°, 44%, 45%
HSV	299°, 61%, 65%
XYZ	23.7292, 14.1699, 37.0817
YIQ	105.1150, 26.5830, 52.3990

Conversions

Conversions Part 2

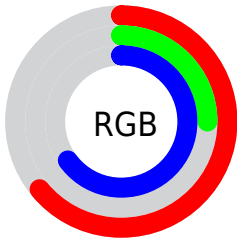
Format	Color
R_{YB}	163, 64, 165
Decimal	10698917
CIE _{Lab}	44.48, 54.17, -35.40
CIE _{LCh}	44, 64.707, 326.834
Yxy	14.1699, 0.3165, 0.1890
Android (android.graphics.Color)	4288888997 (0xFFA340A5)
YUV	105.1150, 29.5233, 50.7651
Hunter-Lab	37.6429, 46.6470, -32.0560

Details

The XYZ color **23.7292, 14.1699, 37.0817** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.6277, 28.4390, 9.4640**, and the grayscale version is **13.3764, 14.0731, 15.3256**.

A 20% lighter version of the original color is **48.9119, 33.3398, 71.5674**, and **9.1650, 4.3804, 15.9852** is the 20% darker color. If you saturate the color by 10%, you get **22.8661, 12.5424, 36.8133**, and if you desaturate by 10%, it is **24.8688, 16.3492, 37.4425**.

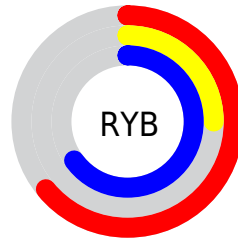
Distribution



Red (64%)

Green (25%)

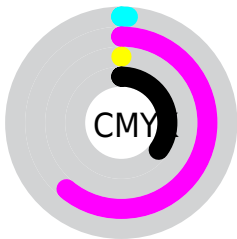
Blue (65%)



Red (64%)

Yellow (25%)

Blue (65%)

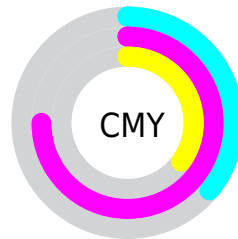


Cyan (1%)

Magenta (61%)

Yellow (0%)

Black (35%)



Cyan (36%)


Magenta (75%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7292, 14.1699, 37.0817 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 23.7292, 14.1699, 37.0817 by changing the saturation by 10% instead.


 23.7292, 14.1699,
37.0817


 23.7292, 14.1699,
37.0817


263.9145,
218.2852, 348.8434


 15.2565, 8.2389,
24.9745


 49.0458, 33.3902,
71.8862


 9.0871, 4.2482,
15.8392


 66.6205, 47.4483,
95.4205


 4.8556, 1.8134,
9.2573


 87.9598, 64.9842,
123.6009

 2.1967, 0.4955,
4.8103

 113.4292, 86.3824,
156.8459

 0.7410, 0.0000,
2.0796

 143.3940,
112.0272, 195.5742

 0.0000, 0.0000,
0.6036

178.2196,

 0.0000, 0.0000,

142.3030, 240.2041

0.0000

218.2713,
177.5942, 291.1544

■ 23.7292, 14.1699,
37.0817

■ 23.7292, 14.1699,
37.0817

■ 22.8661, 12.5424,
36.8133

■ 24.8688, 16.3492,
37.4425

■ 22.2528, 11.4147,
36.6279

■ 26.3053, 19.1226,
37.9021

■ 21.8601, 10.7281,
36.5161

■ 28.0590, 22.5302,
38.4674

■ 21.6380, 10.3702,
36.4587

■ 30.1482, 26.6083,
39.1444

■ 32.5894, 31.3903,
39.9388

■ 35.3984, 36.9076,
40.8557

■ 38.5898, 43.1895,
41.9000

■ 42.1776, 50.2637,
43.0764

■ 46.1748, 58.1567,
44.3892

Harmonies

Analogous

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



18.5218, 14.1699, 57.8735



23.7292, 14.1699, 37.0817



26.1696, 14.1699, 17.0702

Triad

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



23.7292, 14.1699, 37.0817



14.0297, 14.1699, 0.8441



6.3544, 14.1699, 32.3663

Complementary

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



23.7292, 14.1699, 37.0817



16.6277, 28.4390, 9.4640

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.



5.7307, 14.1699, 13.8958



23.7292, 14.1699, 37.0817



9.4290, 14.1699, 1.3710

Square

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



23.7292, 14.1699, 37.0817



19.7339, 14.1699, 1.7118



6.6961, 14.1699, 4.4457



8.6925, 14.1699, 54.1271

Rectangle

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



23.7292, 14.1699, 37.0817



25.5296, 14.1699, 8.5156



6.6961, 14.1699, 4.4457



5.9684, 14.1699, 25.3315

Sweetspot

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



23.7297, 14.1705, 37.0820



55.1863, 49.9881, 70.4924



10.9354, 7.8653, 36.5393



11.8131, 10.4359, 15.3292



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7297, 14.1705, 37.0820



40.5619, 21.7391, 65.8105



20.6130, 12.9715, 18.5160



7.3504, 7.1950, 8.9044



16.3746, 7.8479, 27.5815



0.3481, 0.1670, 0.5797

Inverse Universe

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



18.3342, 12.0600, 6.5162



30.1351, 17.6718, 6.2276



18.4465, 29.1512, 19.7326



7.0792, 7.0881, 7.4034



11.7546, 6.0579, 0.6324



0.2486, 0.1279, 0.0217

Previews

White Background



This preview shows how the XYZ color 23.7292, 14.1699, 37.0817 looks on a white background.

Color Contrast Check

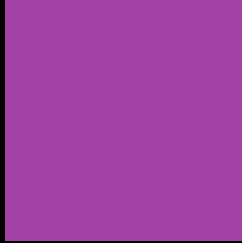
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7292, 14.1699, 37.0817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

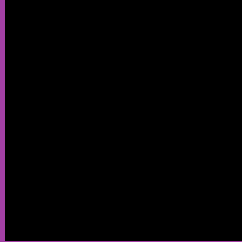
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7292, 14.1699, 37.0817

Background



This preview shows how black text looks on a background with the XYZ color 23.7292, 14.1699, 37.0817.



This preview shows how white text looks on a background with the XYZ color 23.7292, 14.1699,

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

23.7292, 14.1699, 37.0817

Protanopia

16.8090, 14.6476, 57.1997

Deuteranopia

14.7028, 14.3656, 34.3457



Tritanopia

18.4633, 14.1224, 11.6503

Trichromacy



Original Color

23.7292, 14.1699, 37.0817



Protanomaly

17.0631, 13.0509, 49.1967



Deuteranomaly

16.6447, 13.2650, 35.4013



Tritanomaly

19.8285, 13.7839, 18.7550

Monochromacy



Original Color

23.7292, 14.1699, 37.0817



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

16.0911, 13.2803, 21.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7292, 14.1699, 37.0817 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(163, 64, 165)` looks like.

```
.text, #text, p{  
    color:rgb(163, 64, 165)  
}
```

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(163, 64, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 64, 165) }
```

Border

The CSS property to change the border of an element to XYZ 23.7292, 14.1699, 37.0817 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(163, 64, 165) }
```


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

```
.border{ border-color:rgb(163, 64, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 64, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 64, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 64, 165);  
box-shadow:4px 4px 4px 4px rgb(163, 64,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7292, 14.1699, 37.0817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 64, 165) }
```

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

```
.background{ background-color: rgb(163, 64,  
165) }
```

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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