

Converting Colors

XYZ(29.3738, 23.3175, 37.3452)

Have a look what the booklet for
XYZ(29.3738, 23.3175, 37.3452)
contains.

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Color

**XYZ(29.3335, 23.3012,
37.1340)**

Conversions

Conversions Part 1

Format	Color
Hex	AB72A2
RGB	171, 114, 162
RGB Percent	67%, 45%, 64%
CMY	0.3294, 0.5529, 0.3647
CMYK	0.00, 0.33, 0.05, 0.33
HSL	309°, 25%, 56%
HSV	309°, 33%, 67%
XYZ	29.3335, 23.3012, 37.1340
YIQ	136.5150, 18.5640, 27.0120

Conversions

Conversions Part 2

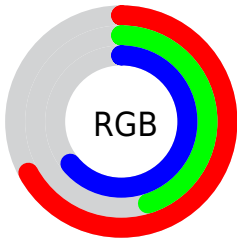
Format	Color
R_{YB}	171, 114, 162
Decimal	11236002
CIE _{Lab}	55.38, 30.21, -16.66
CIE _{LCh}	55, 34.505, 331.125
Yxy	23.3012, 0.3268, 0.2596
Android (android.graphics.Color)	4289426082 (0xFFAB72A2)
YUV	136.5150, 12.5641, 30.2433
Hunter-Lab	48.2713, 23.9960, -11.8205

Details

The XYZ color **29.3335, 23.3012, 37.1340** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.0785, 34.1340, 24.0070**, and the grayscale version is **23.5450, 24.7712, 26.9758**.

A 20% lighter version of the original color is **58.0217, 48.9781, 72.0413**, and **12.1760, 8.7579, 15.8006** is the 20% darker color. If you saturate the color by 10%, you get **27.3448, 19.7033, 35.2997**, and if you desaturate by 10%, it is **31.6894, 27.6244, 39.1166**.

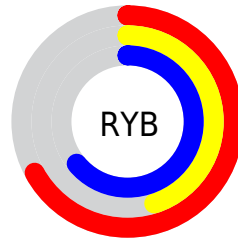
Distribution



Red (67%)

Green (45%)

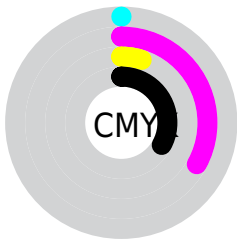
Blue (64%)



Red (67%)

Yellow (45%)

Blue (64%)

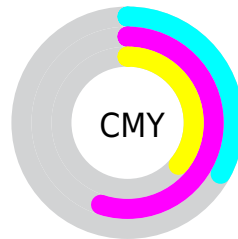


Cyan (0%)

Magenta (33%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3335, 23.3012, 37.1340 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 29.3335, 23.3012, 37.1340 by changing the saturation by 10% instead.

■ 29.3335, 23.3012,
37.1340

■ 29.3335, 23.3012,
37.1340

290.7512,
269.2683, 349.0764

■ 19.4788, 14.8161,
25.0147

■ 58.0004, 48.8874,
71.9675

■ 12.1228, 8.6904,
15.8689

■ 77.5434, 66.7573,
95.5187

■ 6.9002, 4.5398,
9.2781

■ 101.0464, 88.5242,
123.7176

■ 3.4455, 1.9799,
4.8237

■ 128.8750,
114.5726, 156.9827

■ 1.3935, 0.5957,
2.0873

161.3944,
145.2868, 195.7326

■ 0.2516, 0.0000,
0.6082

198.9700,

■ 0.0000, 0.0000,

181.0512, 240.3858

0.0000

241.9671,
222.2502, 291.3609

■ 29.3335, 23.3012,
37.1340

■ 29.3335, 23.3012,
37.1340

■ 27.3448, 19.7033,
35.2997

■ 31.6894, 27.6244,
39.1166

■ 25.7008, 16.7874,
33.6054

■ 34.4290, 32.7069,
41.2524

■ 24.3804, 14.5101,
32.0440

■ 37.5702, 38.5843,
43.5479

■ 23.3586, 12.8221,
30.6071

■ 41.1293, 45.2893,
46.0086

■ 22.6070, 11.6666,
29.2852

■ 45.1218, 52.8524,
48.6397

■ 22.0919, 10.9758,
28.0666

■ 49.5620, 61.3026,
51.4463

■ 21.8287, 10.6716,
27.2944

■ 54.4641, 70.6679,
54.4332

■ 59.8411, 80.9746,
57.6049

■ 61.4499, 83.7361,
59.5472

Harmonies

Analogous

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



26.2261, 23.3012, 48.3734



29.3335, 23.3012, 37.1340



30.4632, 23.3012, 24.9545

Triad

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



29.3335, 23.3012, 37.1340



22.0012, 23.3012, 9.4575



16.3614, 23.3012, 38.0771

Complementary

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



29.3335, 23.3012, 37.1340



25.0785, 34.1340, 24.0070

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.



15.5015, 23.3012, 25.7922



29.3335, 23.3012, 37.1340



18.5146, 23.3012, 11.1372

Square

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



29.3335, 23.3012, 37.1340



25.9436, 23.3012, 10.8970



16.2422, 23.3012, 16.3984



18.7403, 23.3012, 49.0203

Rectangle

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



29.3335, 23.3012, 37.1340



29.8498, 23.3012, 18.4313



16.2422, 23.3012, 16.3984



15.8985, 23.3012, 33.8650

Sweetspot

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



29.3342, 23.3022, 37.1345



63.3554, 61.7396, 75.1456



21.4732, 19.1540, 41.0939



13.9629, 13.4590, 16.6349



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.3342, 23.3022, 37.1345



49.8460, 36.8572, 64.0567



27.1124, 22.4135, 25.4343



8.2819, 8.1260, 9.7954



16.4714, 8.0511, 20.6598



0.4726, 0.2297, 0.6502

Inverse Universe

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



29.3342, 23.3022, 37.1345



49.8460, 36.8572, 64.0567



27.0932, 34.9399, 34.6164



8.2819, 8.1260, 9.7954



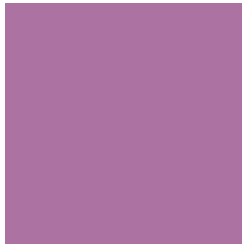
16.4714, 8.0511, 20.6598



0.4726, 0.2297, 0.6502

Previews

White Background



This preview shows how the XYZ color 29.3335, 23.3012, 37.1340 looks on a white background.

Color Contrast Check

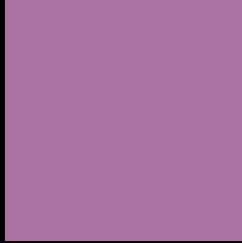
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3335, 23.3012, 37.1340 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 29.3335, 23.3012, 37.1340

Background



This preview shows how black text looks on a background with the XYZ color 29.3335, 23.3012, 37.1340.



This preview shows how white text looks on a background with the XYZ color 29.3335, 23.3012,

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

29.3335, 23.3012, 37.1340

Protanopia

23.6414, 23.3535, 43.3060

Deuteranopia

23.9135, 23.4550, 36.0678



Tritanopia

26.6153, 23.2334, 23.8506

Trichromacy



Original Color

29.3335, 23.3012, 37.1340

Protanomaly

25.2368, 23.0585, 41.1508

Deuteranomaly

25.5854, 23.1564, 36.3788

Tritanomaly

27.4346, 23.2048, 28.2323

Monochromacy



Original Color

29.3335, 23.3012, 37.1340

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.4330, 24.1654, 30.5181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3335, 23.3012, 37.1340 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(171, 114, 162)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 162)  
}
```

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(171, 114, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 162) }
```

Border

The CSS property to change the border of an element to XYZ 29.3335, 23.3012, 37.1340 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(171, 114, 162) }
```


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

```
.border{ border-color:rgb(171, 114, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 162);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3335, 23.3012, 37.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 162) }
```

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

```
.background{ background-color: rgb(171,  
114, 162) }
```

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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