

Converting Colors

XYZ(29.9070, 23.3872, 52.3731)

Have a look what the booklet for
XYZ(29.9070, 23.3872, 52.3731)
contains.

XYZ(29.8328, 23.3940, 52.2333)	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(29.8328, 23.3940,
52.2333)**

Conversions

Conversions Part 1

Format	Color
Hex	9F73BF
RGB	159, 115, 191
RGB Percent	62%, 45%, 75%
CMY	0.3765, 0.5490, 0.2510
CMYK	0.17, 0.40, 0.00, 0.25
HSL	275°, 37%, 60%
HSV	275°, 40%, 75%
XYZ	29.8328, 23.3940, 52.2333
YIQ	136.8200, 1.8280, 32.9640

Conversions

Conversions Part 2

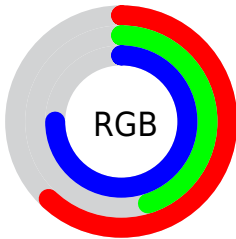
Format	Color
RYB	159, 115, 191
Decimal	10449855
CIELab	55.48, 31.71, -33.33
CIElCh	55, 46.007, 313.576
Yxy	23.3940, 0.2829, 0.2218
Android (android.graphics.Color)	4288639935 (0xFF9F73BF)
YUV	136.8200, 26.7107, 19.4519
Hunter-Lab	48.3673, 25.4553, -30.1719

Details

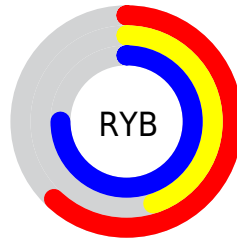
The XYZ color **29.8328, 23.3940, 52.2333** is a light color, and the websafe version is hex **996699**. A complement of this color would be **33.7586, 44.7029, 23.0699**, and the grayscale version is **23.6126, 24.8423, 27.0533**.

A 20% lighter version of the original color is **58.9702, 49.2296, 95.2011**, and **12.4074, 8.7667, 24.7051** is the 20% darker color. If you saturate the color by 10%, you get **26.3332, 18.6852, 51.5092**, and if you desaturate by 10%, it is **33.8891, 29.0607, 53.1137**.

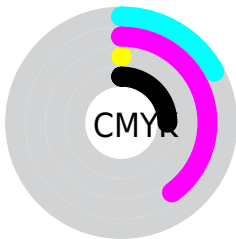
Distribution



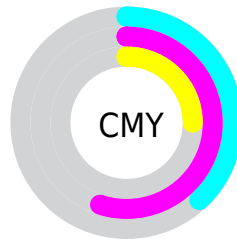
- Red (62%)
- Green (45%)
- Blue (75%)



- Red (62%)
- Yellow (45%)
- Blue (75%)



- Cyan (17%)
- Magenta (40%)
- Yellow (0%)
- Black (25%)





- Cyan (38%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8328, 23.3940, 52.2333 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 29.8328, 23.3940, 52.2333 by changing the saturation by 10% instead.

 29.8328, 23.3940,
52.2333

 29.8328, 23.3940,
52.2333


293.0481,
269.7423, 412.3192


 19.8592, 14.8847,
36.8075


 58.7861, 49.0395,
94.9053


 12.4004, 8.7385,
24.7639


 78.4965, 66.9444,
122.9886

 7.0911, 4.5710,
15.6838


 102.1831, 88.7501,
156.1282

 3.5660, 1.9978,
9.1488

 130.2114,
114.8408, 194.7426

 1.4596, 0.6062,
4.7402

162.9467,
145.6010, 239.2504

 0.2981, 0.0000,
2.0396

200.7544,

 0.0000, 0.0000,

181.4150, 290.0700

0.5795

243.9997,
222.6673, 347.6201

■ 0.0000, 0.0000,
0.0000

■ 29.8328, 23.3940,
52.2333

■ 29.8328, 23.3940,
52.2333

■ 26.3332, 18.6852,
51.5092

■ 33.8891, 29.0607,
53.1137

■ 23.3577, 14.8742,
50.9305

■ 38.5271, 35.7346,
54.1574

■ 20.8739, 11.8985,
50.4870

■ 43.7733, 43.4653,
55.3731

■ 18.8443, 9.6860,
50.1669

■ 49.6516, 52.2979,
56.7681

■ 17.2247, 8.1518,
49.9562

■ 56.1847, 62.2750,
58.3496

■ 15.9325, 7.1337,
49.8277

■ 63.3939, 73.4369,
60.1241

■ 15.9069, 7.1139,
49.8253

■ 71.2996, 85.8219,
62.0979

■ 75.6998, 91.0234,
62.8700

■ 78.2420, 92.3339,
62.9890

Harmonies

Analogous

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



24.6565, 23.3940, 64.4840



29.8328, 23.3940, 52.2333



33.2240, 23.3940, 34.4196

Triad

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



29.8328, 23.3940, 52.2333



25.1723, 23.3940, 6.7372



13.8899, 23.3940, 32.7727

Complementary

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



29.8328, 23.3940, 52.2333



33.7586, 44.7029, 23.0699

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.



13.9838, 23.3940, 18.2274



29.8328, 23.3940, 52.2333



19.9780, 23.3940, 6.5871

Square

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



29.8328, 23.3940, 52.2333



30.2607, 23.3940, 10.4336



16.0514, 23.3940, 9.8904



15.7713, 23.3940, 50.6318

Rectangle

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



29.8328, 23.3940, 52.2333



33.7325, 23.3940, 23.7338



16.0514, 23.3940, 9.8904



13.7016, 23.3940, 27.2933

Sweetspot

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



29.8336, 23.3950, 52.2338



76.0402, 74.3449, 98.6214



27.0545, 28.5662, 53.3785



16.4189, 15.9129, 21.5914



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.8336, 23.3950, 52.2338



47.7634, 34.2571, 92.3740



36.4730, 26.8810, 49.6839



9.5312, 9.4907, 12.0017



10.5472, 4.7234, 32.7487



0.4863, 0.2227, 1.2862

Inverse Universe

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



32.8837, 25.4453, 30.7828



54.3794, 38.6780, 47.0420



29.0960, 42.2647, 24.4159



9.6923, 9.6012, 10.7688



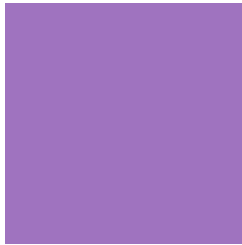
15.1204, 7.6793, 5.9278



0.6250, 0.3139, 0.4045

Previews

White Background



This preview shows how the XYZ color 29.8328, 23.3940, 52.2333 looks on a white background.

Color Contrast Check

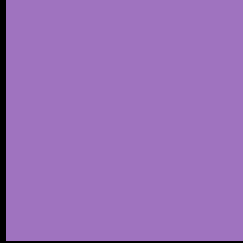
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8328, 23.3940, 52.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

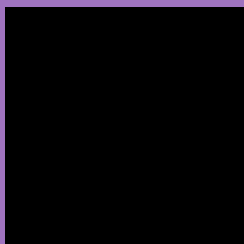
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8328, 23.3940, 52.2333

Background



This preview shows how black text looks on a background with the XYZ color 29.8328, 23.3940, 52.2333.



This preview shows how white text looks on a background with the XYZ color 29.8328, 23.3940,

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

29.8328, 23.3940, 52.2333

Protanopia

25.0788, 23.7180, 60.3830

Deuteranopia

24.2678, 23.7108, 50.8745



Tritanopia

24.6824, 23.4689, 26.8960

Trichromacy



Original Color

29.8328, 23.3940, 52.2333

Protanomaly

26.2466, 23.2264, 57.1326

Deuteranomaly

25.8521, 23.3417, 51.2870

Tritanomaly

26.3056, 23.3725, 35.0232

Monochromacy



Original Color

29.8328, 23.3940, 52.2333

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.6131, 24.1546, 35.2106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8328, 23.3940, 52.2333 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(159, 115, 191)` looks like.

```
.text, #text, p{  
    color:rgb(159, 115, 191)  
}
```

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(159, 115, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 115, 191) }
```

Border

The CSS property to change the border of an element to XYZ 29.8328, 23.3940, 52.2333 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(159, 115, 191) }
```


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

```
.border{ border-color:rgb(159, 115, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 115, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 115, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 115, 191);  
box-shadow:4px 4px 4px 4px rgb(159, 115,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8328, 23.3940, 52.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 115, 191) }
```

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

```
.background{ background-color: rgb(159,  
115, 191) }
```

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