

Converting Colors

XYZ(22.3473, 12.9289, 39.3486)

Have a look what the booklet for
XYZ(22.3473, 12.9289, 39.3486)
contains.

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Color

**XYZ(22.2863, 12.8970,
39.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	9B3AAA
RGB	155, 58, 170
RGB Percent	61%, 23%, 67%
CMY	0.3922, 0.7725, 0.3333
CMYK	0.09, 0.66, 0.00, 0.33
HSL	292°, 49%, 45%
HSV	292°, 66%, 67%
XYZ	22.2863, 12.8970, 39.3450
YIQ	99.7710, 21.8600, 55.3960

Conversions

Conversions Part 2

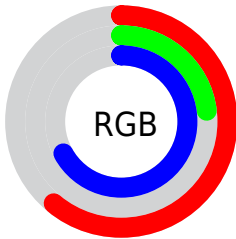
Format	Color
R_{YB}	155, 58, 170
Decimal	10173098
CIE _{Lab}	42.61, 55.70, -41.41
CIE _{LCh}	43, 69.406, 323.375
Yxy	12.8970, 0.2990, 0.1730
Android (android.graphics.Color)	4288363178 (0xFF9B3AAA)
YUV	99.7710, 34.6229, 48.4358
Hunter-Lab	35.9124, 47.9258, -39.8184

Details

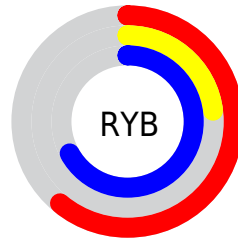
The XYZ color **22.2863, 12.8970, 39.3450** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.8866, 30.4718, 8.9425**, and the grayscale version is **11.9664, 12.5896, 13.7101**.

A 20% lighter version of the original color is **46.6730, 31.0764, 75.4899**, and **8.4664, 3.9937, 17.1542** is the 20% darker color. If you saturate the color by 10%, you get **21.1337, 11.2340, 39.0850**, and if you desaturate by 10%, it is **23.7310, 15.1312, 39.7003**.

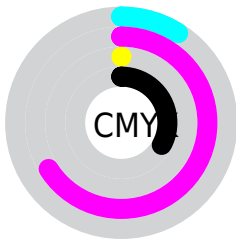
Distribution



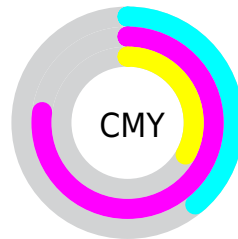
- Red (61%)
- Green (23%)
- Blue (67%)



- Red (61%)
- Yellow (23%)
- Blue (67%)



- Cyan (9%)
- Magenta (66%)
- Yellow (0%)
- Black (33%)



- Cyan (39%)
- Magenta (77%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2863, 12.8970, 39.3450 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 22.2863, 12.8970, 39.3450 by changing the saturation by 10% instead.

■ 22.2863, 12.8970,
39.3450

■ 22.2863, 12.8970,
39.3450

256.6421,
210.2565, 358.8247

■ 14.1852, 7.3577,
26.7183

■ 46.6941, 31.1186,
75.3912

■ 8.3322, 3.6868,
17.1312

■ 63.7315, 44.5697,
99.6478

■ 4.3618, 1.4999,
10.1652

■ 84.4783, 61.4268,
128.6182

■ 1.9088, 0.2887,
5.4016

■ 109.3000, 82.0743,
162.7208

■ 0.5819, 0.0000,
2.4219

■ 138.5619,
106.8966, 202.3742

■ 0.0000, 0.0000,
0.7983

172.6293,

■ 0.0000, 0.0000,

136.2782, 247.9970

0.0000

211.8676,
170.6033, 300.0076

■ 22.2863, 12.8970,
39.3450

■ 22.2863, 12.8970,
39.3450

■ 21.1337, 11.2340,
39.0850

■ 23.7310, 15.1312,
39.7003

■ 20.2427, 10.0823,
38.9096

■ 25.4916, 17.9852,
40.1584

■ 19.5754, 9.3662,
38.8066

■ 27.5910, 21.5044,
40.7270

■ 19.3301, 9.1269,
38.7733

■ 30.0494, 25.7293,
41.4129

■ 32.8857, 30.6974,
42.2224

■ 36.1171, 36.4433,
43.1611

■ 39.7601, 42.9996,
44.2346

■ 43.8299, 50.3970,
45.4479

■ 48.3412, 58.6644,
46.8060

Harmonies

Analogous

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



16.7196, 12.8970, 60.8699



22.2863, 12.8970, 39.3450



25.2825, 12.8970, 17.6526

Triad

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



22.2863, 12.8970, 39.3450



13.4612, 12.8970, 0.3160



5.1261, 12.8970, 28.9355

Complementary

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



22.2863, 12.8970, 39.3450



17.8866, 30.4718, 8.9425

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.



4.7119, 12.8970, 10.9618



22.2863, 12.8970, 39.3450



8.6707, 12.8970, 0.6818

Square

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



22.2863, 12.8970, 39.3450



19.3277, 12.8970, 1.2691



5.8060, 12.8970, 2.8875



7.1646, 12.8970, 52.4191

Rectangle

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



22.2863, 12.8970, 39.3450



24.9493, 12.8970, 8.3563



5.8060, 12.8970, 2.8875



4.8219, 12.8970, 21.8560

Sweetspot

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



22.2868, 12.8976, 39.3453



57.2734, 51.4850, 75.9208



11.5038, 8.8076, 39.1242



12.4625, 10.9397, 16.8424



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.



22.2868, 12.8976, 39.3453



37.5532, 19.3233, 70.7524



22.1743, 13.2060, 22.7827



7.7416, 7.6149, 9.4801



14.2533, 6.7313, 28.5235



0.3731, 0.1774, 0.6952

Inverse Universe

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



19.2937, 12.0538, 7.6138



32.1858, 17.9492, 7.5726



18.2872, 30.5162, 16.2854



7.5705, 7.5581, 8.0555



12.3192, 6.3364, 1.2266



0.3117, 0.1589, 0.0927

Previews

White Background



This preview shows how the XYZ color 22.2863, 12.8970, 39.3450 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 22.2863, 12.8970, 39.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

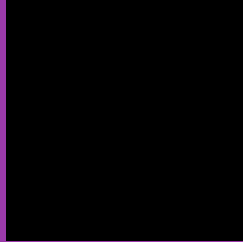
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2863, 12.8970, 39.3450

Background



This preview shows how black text looks on a background with the XYZ color 22.2863, 12.8970, 39.3450.



This preview shows how white text looks on a background with the XYZ color 22.2863, 12.8970,

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

22.2863, 12.8970, 39.3450

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.4445, 13.0755, 36.4656



Tritanopia

16.5735, 12.9275, 11.0729

Trichromacy



Original Color

22.2863, 12.8970, 39.3450



Protanomaly

14.4617, 10.9223, 52.3849



Deuteranomaly

15.1684, 11.8468, 37.5636



Tritanomaly

18.1132, 12.5951, 18.6160

Monochromacy



Original Color

22.2863, 12.8970, 39.3450



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

14.6959, 11.9707, 20.9381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2863, 12.8970, 39.3450 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(155, 58, 170)` looks like.

```
.text, #text, p{  
    color:rgb(155, 58, 170)  
}
```

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(155, 58, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 58, 170) }
```

Border

The CSS property to change the border of an element to XYZ 22.2863, 12.8970, 39.3450 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(155, 58, 170) }
```


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

```
.border{ border-color:rgb(155, 58, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 58, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 58, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 58, 170);  
box-shadow:4px 4px 4px 4px rgb(155, 58,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2863, 12.8970, 39.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 58, 170) }
```

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

```
.background{ background-color: rgb(155, 58,  
170) }
```

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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