

Converting Colors

XYZ(21.7424, 8.2259, 38.8221)

Have a look what the booklet for
XYZ(21.7424, 8.2259, 38.8221)
contains.

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Color

**XYZ(23.2870, 11.1558,
39.4540)**

Conversions

Conversions Part 1

Format	Color
Hex	A700AB
RGB	167, 0, 171
RGB Percent	65%, 0%, 67%
CMY	0.3451, 0.9999, 0.3294
CMYK	0.02, 1.00, 0.00, 0.33
HSL	299°, 100%, 34%
HSV	299°, 100%, 67%
XYZ	23.2870, 11.1558, 39.4540
YIQ	69.4270, 44.6410, 88.5850

Conversions

Conversions Part 2

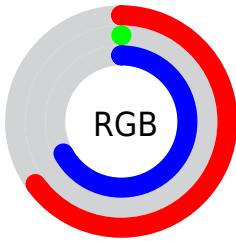
Format	Color
RYB	167, 0, 171
Decimal	10944683
CIELab	39.84, 72.17, -46.31
CIELCh	40, 85.750, 327.315
Yxy	11.1558, 0.3151, 0.1510
Android (android.graphics.Color)	4289134763 (0xFFA700AB)
YUV	69.4270, 50.0755, 85.5715
Hunter-Lab	33.4003, 66.0013, -46.6559

Details

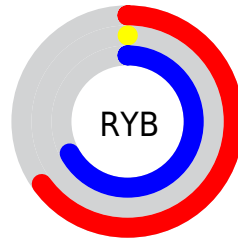
The XYZ color **23.2870, 11.1558, 39.4540** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.6134, 29.1519, 4.8573**, and the grayscale version is **5.6438, 5.9378, 6.4662**.

A 20% lighter version of the original color is **48.3224, 27.9013, 75.5117**, and **9.7004, 4.6230, 17.5206** is the 20% darker color. If you saturate the color by 10%, you get **23.2871, 11.1558, 39.4541**, and if you desaturate by 10%, it is **23.5742, 11.6041, 39.5256**.

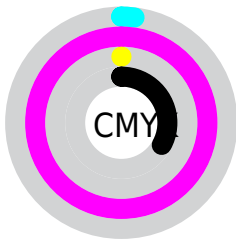
Distribution



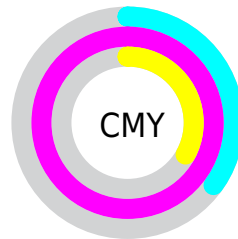
- Red (65%)
- Green (0%)
- Blue (67%)



- Red (65%)
- Yellow (0%)
- Blue (67%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (35%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2870, 11.1558, 39.4540 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 23.2870, 11.1558, 39.4540 by changing the saturation by 10% instead.


 23.2870, 11.1558,
39.4540


 23.2870, 11.1558,
39.4540


261.7036,
198.7333, 359.3003


 14.9274, 6.1717,
26.8026


 48.3273, 27.9479,
75.5593


 8.8545, 2.9498,
17.1939


 65.7388, 40.5247,
99.8503


 4.7027, 1.1056,
10.2094


 86.8983, 56.4013,
128.8582

 2.1069, 0.0000,
5.4306

 112.1712, 75.9619,
163.0015

 0.6929, 0.0000,
2.4389

 141.9228, 99.5910,
202.6989

 0.0000, 0.0000,
0.8075

 176.5185,

 0.0000, 0.0000,

127.6730, 248.3687

0.0000

216.3236,
160.5924, 300.4297

■ 23.2870, 11.1558,
39.4540

■ 23.2870, 11.1558,
39.4540

■ 23.2871, 11.1558,
39.4541

■ 23.5742, 11.6041,
39.5256

■ 24.0351, 12.4000,
39.6549

■ 24.7398, 13.6829,
39.8654

■ 25.7200, 15.5165,
40.1676

■ 27.0027, 17.9546,
40.5706

■ 28.6116, 21.0449,
41.0823

■ 30.5682, 24.8300,
41.7098

■ 32.8919, 29.3491,
42.4596

■ 35.6010, 34.6384,
43.3377

Harmonies

Analogous

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



16.7000, 11.1558, 69.8212



23.2870, 11.1558, 39.4540



26.4295, 11.1558, 13.7313

Triad

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



23.2870, 11.1558, 39.4540



11.1430, 11.1558, 0.0000



3.3853, 11.1558, 33.9562

Complementary

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



23.2870, 11.1558, 39.4540



14.6134, 29.1519, 4.8573

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.



2.8338, 11.1558, 10.6891



23.2870, 11.1558, 39.4540



6.2068, 11.1558, 0.0000

Square

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



23.2870, 11.1558, 39.4540



17.9758, 11.1558, 0.0000



3.6393, 11.1558, 1.6985



5.5854, 11.1558, 65.0558

Rectangle

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



23.2870, 11.1558, 39.4540



25.5189, 11.1558, 4.8215



3.6393, 11.1558, 1.6985



3.0469, 11.1558, 24.5932

Sweetspot

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



23.2875, 11.1563, 39.4542



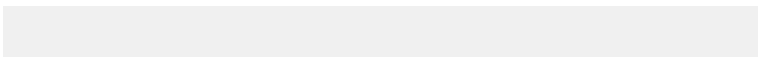
54.5392, 44.0683, 74.6334



7.4131, 3.0646, 38.7290



11.8285, 9.1803, 16.5362



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.



23.2875, 11.1563, 39.4542



41.6792, 19.9657, 70.6589



18.6923, 9.4174, 10.7775



8.3183, 8.1384, 10.0851



17.5616, 8.4132, 29.7428



0.4942, 0.2370, 0.8277

Inverse Universe

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



16.8169, 8.6672, 0.9020



30.1067, 15.5173, 1.5574



16.0042, 29.7025, 12.4425



8.0126, 8.0183, 8.3769



12.6799, 6.5345, 0.6940



0.3551, 0.1827, 0.0320

Previews

White Background



This preview shows how the XYZ color 23.2870, 11.1558, 39.4540 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

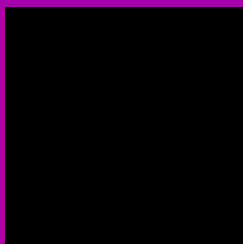
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2870, 11.1558, 39.4540

Background



This preview shows how black text looks on a background with the XYZ color 23.2870, 11.1558, 39.4540.



This preview shows how white text looks on a background with the XYZ color 23.2870, 11.1558,

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

23.2870, 11.1558, 39.4540

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

12.1759, 11.8795, 35.3694



Tritanopia

16.8872, 11.5501, 7.4702

Trichromacy



Original Color

23.2870, 11.1558, 39.4540



Protanomaly

12.5655, 7.7509, 48.4107



Deuteranomaly

13.1302, 8.5415, 36.5540



Tritanomaly

18.0679, 10.2840, 15.2201

Monochromacy



Original Color

23.2870, 11.1558, 39.4540



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.3279, 5.8452, 14.2723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2870, 11.1558, 39.4540 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(167, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 0, 171)  
}
```

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(167, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.2870, 11.1558, 39.4540 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(167, 0, 171) }
```


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

```
.border{ border-color:rgb(167, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(167, 0,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2870, 11.1558, 39.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 0, 171) }
```

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

```
.background{ background-color: rgb(167, 0,  
171) }
```

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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