

Converting Colors

XYZ(22.9314, 13.2972, 8.3792)

Have a look what the booklet for
XYZ(22.9314, 13.2972, 8.3792)
contains.

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Color

**XYZ(22.9314, 13.2972,
8.3792)**

Conversions

Conversions Part 1

Format	Color
Hex	BB314D
RGB	187, 49, 77
RGB Percent	73%, 19%, 30%
CMY	0.2667, 0.8078, 0.6980
CMYK	0.00, 0.74, 0.59, 0.27
HSL	348°, 58%, 46%
HSV	348°, 74%, 73%
XYZ	22.9314, 13.2972, 8.3792
YIQ	93.4540, 73.2600, 37.9640

Conversions

Conversions Part 2

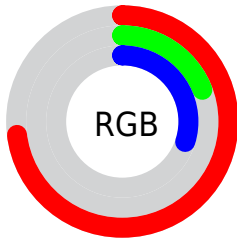
Format	Color
R_{YB}	187, 49, 77
Decimal	12267853
CIE Lab	43.21, 56.06, 17.01
CIE LCh	43, 58.586, 16.880
Yxy	13.2972, 0.5141, 0.2981
Android (android.graphics.Color)	4290457933 (0xFFBB314D)
YUV	93.4540, -8.1118, 82.0398
Hunter-Lab	36.4653, 48.4363, 11.9018

Details

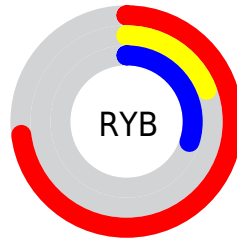
The XYZ color **22.9314, 13.2972, 8.3792** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **25.2960, 38.6972, 38.9407**, and the grayscale version is **10.5179, 11.0657, 12.0505**.

A 20% lighter version of the original color is **47.6313, 31.7709, 23.3606**, and **9.0269, 4.6218, 1.8552** is the 20% darker color. If you saturate the color by 10%, you get **21.8377, 11.8579, 5.7088**, and if you desaturate by 10%, it is **24.4707, 15.4350, 11.7935**.

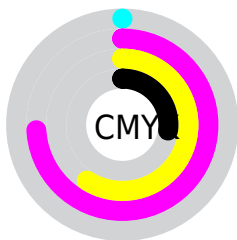
Distribution



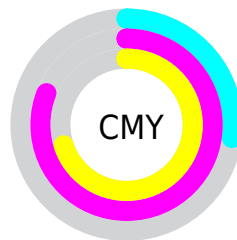
- Red (73%)
- Green (19%)
- Blue (30%)



- Red (73%)
- Yellow (19%)
- Blue (30%)



- Cyan (0%)
- Magenta (74%)
- Yellow (59%)
- Black (27%)





- Cyan (27%)
- Magenta (81%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9314, 13.2972, 8.3792 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 22.9314, 13.2972, 8.3792 by changing the saturation by 10% instead.


 22.9314, 13.2972,
8.3792


 22.9314, 13.2972,
8.3792


259.9144,
212.8137, 188.7210


 14.6633, 7.6335,
4.2473


 47.7481, 31.8367,
23.2569


 8.6682, 3.8614,
1.7620


 65.0275, 45.4813,
34.8397


 4.5808, 1.5963,
0.4027

 86.0413, 62.5550,
49.7433

 2.0356, 0.3551,
0.0000

 111.1549, 83.4422,
68.3861

 0.6539, 0.0000,
0.0000

 140.7336,
108.5272, 91.1868

 0.0000, 0.0000,
0.0000

 175.1429,

138.1946, 118.5638

214.7480,
172.8286, 150.9357

■ 22.9314, 13.2972,
8.3792

■ 22.9314, 13.2972,
8.3792

■ 21.8377, 11.8579,
5.7088

■ 24.4707, 15.4350,
11.7935

■ 21.1371, 11.0251,
3.7232

■ 26.4981, 18.3435,
16.0027

■ 20.8422, 10.7043,
2.7957

■ 29.0517, 22.0883,
21.0540

■ 32.1658, 26.7277,
26.9906

■ 35.8717, 32.3143,
33.8526

■ 40.1983, 38.8969,
41.6778

■ 45.1725, 46.5209,
50.5017

■ 50.8197, 55.2289,
60.3579

■ 57.1640, 65.0610,
71.2788

Harmonies

Analogous

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



23.1520, 13.2972, 20.9058



22.9314, 13.2972, 8.3792



19.5705, 13.2972, 2.8408

Triad

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



22.9314, 13.2972, 8.3792



7.2903, 13.2972, 3.2495



10.7640, 13.2972, 54.8534

Complementary

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



22.9314, 13.2972, 8.3792



25.2960, 38.6972, 38.9407

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.



7.5738, 13.2972, 41.3610



22.9314, 13.2972, 8.3792



5.9156, 13.2972, 9.5252

Square

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



22.9314, 13.2972, 8.3792



10.2759, 13.2972, 1.3265



6.0052, 13.2972, 22.9902



15.3383, 13.2972, 53.8309

Rectangle

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



22.9314, 13.2972, 8.3792



16.3736, 13.2972, 1.5242



6.0052, 13.2972, 22.9902



9.5197, 13.2972, 51.6343

Sweetspot

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



22.9317, 13.2980, 8.3794



65.2897, 59.4565, 62.5354



23.9928, 12.9636, 48.2512



13.9469, 12.4404, 12.9831



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.9317, 13.2980, 8.3794



38.2053, 20.1364, 7.7310



24.5465, 17.7835, 5.0455



9.6072, 9.5672, 10.3205



14.3819, 7.3839, 2.0388



0.5871, 0.2987, 0.2050

Inverse Universe

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



22.9317, 13.2980, 8.3794



38.2053, 20.1364, 7.7310



20.8113, 25.3902, 50.8175



9.6072, 9.5672, 10.3205



14.3819, 7.3839, 2.0388



0.5871, 0.2987, 0.2050

Previews

White Background



This preview shows how the XYZ color 22.9314, 13.2972, 8.3792 looks on a white background.

Color Contrast Check

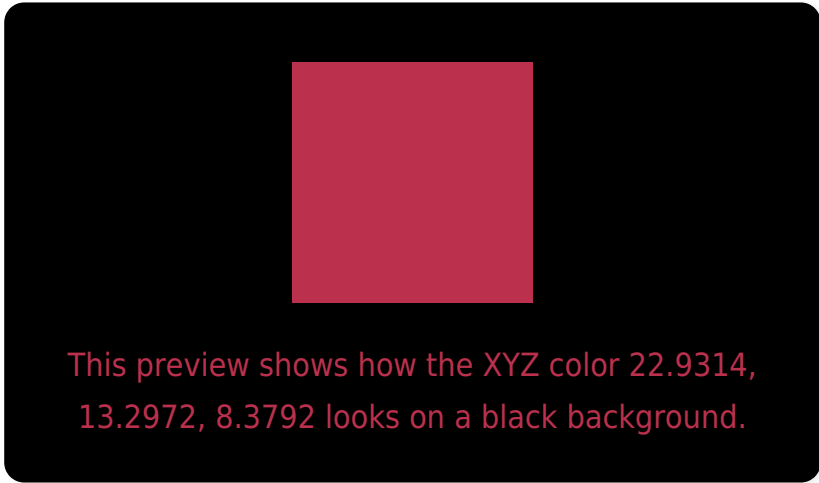
Large Text (above 18pt) WCAG AA ✓ Pass

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

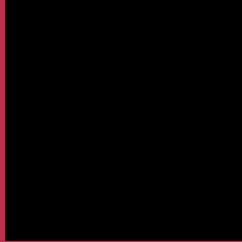
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9314, 13.2972, 8.3792

Background



This preview shows how black text looks on a background with the XYZ color 22.9314, 13.2972, 8.3792.



This preview shows how white text looks on a background with the XYZ color 22.9314, 13.2972,

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

22.9314, 13.2972, 8.3792

Protanopia

12.9753, 13.4653, 14.4856

Deuteranopia

13.7357, 13.5768, 7.6910



Tritanopia

22.2366, 13.2708, 5.1309

Trichromacy



Original Color

22.9314, 13.2972, 8.3792

Protanomaly

15.0607, 12.1277, 11.9030

Deuteranomaly

15.9991, 12.4769, 7.8684

Tritanomaly

22.4031, 13.2653, 6.2302

Monochromacy



Original Color

22.9314, 13.2972, 8.3792

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.1266, 10.5079, 10.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9314, 13.2972, 8.3792 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(187, 49, 77)` looks like.

```
.text, #text, p{  
    color:rgb(187, 49, 77)  
}
```

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(187, 49, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 49, 77) }
```

Border

The CSS property to change the border of an element to XYZ 22.9314, 13.2972, 8.3792 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(187, 49, 77) }
```


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

```
.border{ border-color:rgb(187, 49, 77) }
```

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

Here you see how a box with a 4 pixel rgb(187, 49, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 49, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 49, 77);  
box-shadow:4px 4px 4px 4px rgb(187, 49,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9314, 13.2972, 8.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 49, 77) }
```

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

```
.background{ background-color: rgb(187, 49,  
77) }
```

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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