

Converting Colors

XYZ(22.7848, 13.2759, 5.2596)

Have a look what the booklet for
XYZ(22.7848, 13.2759, 5.2596)
contains.

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Color

**XYZ(22.8231, 13.3109,
5.2372)**

Conversions

Conversions Part 1

Format	Color
Hex	BD3139
RGB	189, 49, 57
RGB Percent	74%, 19%, 22%
CMY	0.2588, 0.8078, 0.7765
CMYK	0.00, 0.74, 0.70, 0.26
HSL	357°, 59%, 47%
HSV	357°, 74%, 74%
XYZ	22.8231, 13.3109, 5.2372
YIQ	91.7720, 80.8720, 32.1680

Conversions

Conversions Part 2

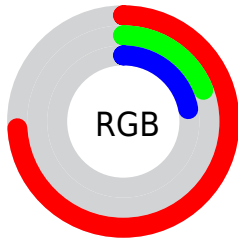
Format	Color
R_{YB}	189, 49, 57
Decimal	12398905
CIE _{Lab}	43.23, 55.48, 29.38
CIE _{LCh}	43, 62.784, 27.904
Yxy	13.3109, 0.5517, 0.3217
Android (android.graphics.Color)	4290588985 (0xFFBD3139)
YUV	91.7720, -17.1426, 85.2690
Hunter-Lab	36.4841, 47.8158, 17.0279

Details

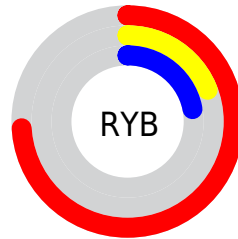
The XYZ color **22.8231, 13.3109, 5.2372** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **27.8061, 40.3848, 50.0510**, and the grayscale version is **10.1464, 10.6748, 11.6248**.

A 20% lighter version of the original color is **47.4364, 31.8168, 16.7378**, and **8.9883, 4.6237, 0.8707** is the 20% darker color. If you saturate the color by 10%, you get **21.8224, 11.9006, 3.0819**, and if you desaturate by 10%, it is **24.3117, 15.4478, 8.3250**.

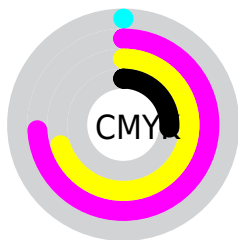
Distribution



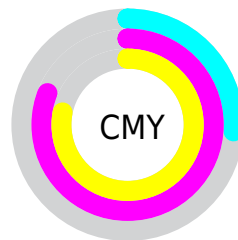
- Red (74%)
- Green (19%)
- Blue (22%)



- Red (74%)
- Yellow (19%)
- Blue (22%)



- Cyan (0%)
- Magenta (74%)
- Yellow (70%)
- Black (26%)





- Cyan (26%)
- Magenta (81%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8231, 13.3109, 5.2372 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 22.8231, 13.3109, 5.2372 by changing the saturation by 10% instead.


 22.8231, 13.3109,
5.2372


 22.8231, 13.3109,
5.2372

259.3674,
212.9007, 161.1184


 14.5829, 7.6430,
2.3259


 47.5715, 31.8612,
16.7753


 8.6116, 3.8674,
0.7457

 64.8104, 45.5124,
26.2391

 4.5438, 1.5996,
0.0000

 85.7796, 62.5934,
38.7243

 2.0141, 0.3574,
0.0000

 110.8445, 83.4888,
54.6493

 0.6419, 0.0000,
0.0000

 140.3703,
108.5828, 74.4327

 0.0000, 0.0000,
0.0000

 174.7225,

138.2598, 98.4929

214.2664,
172.9043, 127.2487

■ 22.8231, 13.3109,
5.2372

■ 22.8231, 13.3109,
5.2372

■ 21.8224, 11.9006,
3.0819

■ 24.3117, 15.4478,
8.3250

■ 21.2469, 11.1184,
1.7532

■ 26.3390, 18.3885,
12.4343

■ 21.0453, 10.8424,
1.2937

■ 28.9502, 22.2032,
17.6445

■ 32.1856, 26.9536,
24.0269

■ 36.0820, 32.6960,
31.6469

■ 40.6732, 39.4820,
40.5650

■ 45.9908, 47.3600,
50.8377

■ 52.0644, 56.3749,
62.5182

■ 58.9219, 66.5696,
75.6570

Harmonies

Analogous

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



24.4597, 13.3109, 15.4931



22.8231, 13.3109, 5.2372



18.2875, 13.3109, 1.5943

Triad

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



22.8231, 13.3109, 5.2372



6.2771, 13.3109, 4.4243



12.3133, 13.3109, 60.9826

Complementary

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



22.8231, 13.3109, 5.2372



27.8061, 40.3848, 50.0510

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.



8.3119, 13.3109, 50.9831



22.8231, 13.3109, 5.2372



5.4284, 13.3109, 13.5375

Square

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



22.8231, 13.3109, 5.2372



8.7668, 13.3109, 1.3803



6.0656, 13.3109, 30.9488



17.5420, 13.3109, 53.2779

Rectangle

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



22.8231, 13.3109, 5.2372



14.7101, 13.3109, 0.9188



6.0656, 13.3109, 30.9488



10.7947, 13.3109, 59.4947

Sweetspot

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



22.8234, 13.3117, 5.2374



65.9446, 60.5095, 59.2531



29.0289, 15.5350, 49.6123



13.7367, 12.3563, 11.8763



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.



22.8234, 13.3117, 5.2374



38.3490, 20.3060, 3.8493



27.0814, 22.1219, 5.7496



9.5517, 9.5450, 10.0280



14.1697, 7.2990, 0.9211



0.5627, 0.2890, 0.0763

Inverse Universe

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



22.8234, 13.3117, 5.2374



38.3490, 20.3060, 3.8493



18.2157, 19.8539, 51.0159



9.5517, 9.5450, 10.0280



14.1697, 7.2990, 0.9211



0.5627, 0.2890, 0.0763

Previews

White Background



This preview shows how the XYZ color 22.8231, 13.3109, 5.2372 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 22.8231, 13.3109, 5.2372

Background



This preview shows how black text looks on a background with the XYZ color 22.8231, 13.3109, 5.2372.



This preview shows how white text looks on a background with the XYZ color 22.8231, 13.3109,

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

22.8231, 13.3109, 5.2372

Protanopia

12.6202, 13.5513, 8.9717

Deuteranopia

13.6745, 13.4691, 4.7848



Tritanopia

22.7467, 13.3480, 4.6263

Trichromacy



Original Color

22.8231, 13.3109, 5.2372

Protanomaly

14.8462, 12.1177, 7.3508

Deuteranomaly

16.0662, 12.4693, 4.8088

Tritanomaly

22.7927, 13.3664, 4.8687

Monochromacy



Original Color

22.8231, 13.3109, 5.2372

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.7481, 10.2454, 8.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8231, 13.3109, 5.2372 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(189, 49, 57)` looks like.

```
.text, #text, p{  
    color:rgb(189, 49, 57)  
}
```

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(189, 49, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 49, 57) }
```

Border

The CSS property to change the border of an element to XYZ 22.8231, 13.3109, 5.2372 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(189, 49, 57) }
```


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

```
.border{ border-color:rgb(189, 49, 57) }
```

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

Here you see how a box with a 4 pixel rgb(189, 49, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 49, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 49, 57);  
box-shadow:4px 4px 4px 4px rgb(189, 49,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8231, 13.3109, 5.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 49, 57) }
```

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

```
.background{ background-color: rgb(189, 49,  
57) }
```

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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