

Converting Colors

XYZ(22.5429, 12.7102, 5.2682)

Have a look what the booklet for
XYZ(22.5429, 12.7102, 5.2682)
contains.

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Color

**XYZ(22.5429, 12.7102,
5.2682)**

Conversions

Conversions Part 1

Format	Color
Hex	BD293A
RGB	189, 41, 58
RGB Percent	74%, 16%, 23%
CMY	0.2588, 0.8392, 0.7725
CMYK	0.00, 0.78, 0.69, 0.26
HSL	353°, 64%, 45%
HSV	353°, 78%, 74%
XYZ	22.5429, 12.7102, 5.2682
YIQ	87.1900, 82.7510, 36.6630

Conversions

Conversions Part 2

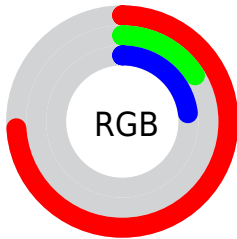
Format	Color
RYB	189, 41, 58
Decimal	12396858
CIELab	42.32, 58.11, 27.68
CIElCh	42, 64.362, 25.471
Yxy	12.7102, 0.5563, 0.3137
Android (android.graphics.Color)	4290586938 (0xFFBD293A)
YUV	87.1900, -14.3907, 89.2874
Hunter-Lab	35.6514, 50.4784, 16.1947

Details

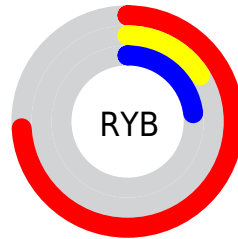
The XYZ color **22.5429, 12.7102, 5.2682** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.5598, 39.8455, 45.3264**, and the grayscale version is **9.1188, 9.5937, 10.4475**.

A 20% lighter version of the original color is **47.2519, 30.8297, 16.8249**, and **8.9956, 4.6266, 0.9091** is the 20% darker color. If you saturate the color by 10%, you get **21.6801, 11.5588, 3.2111**, and if you desaturate by 10%, it is **23.8582, 14.5456, 8.1586**.

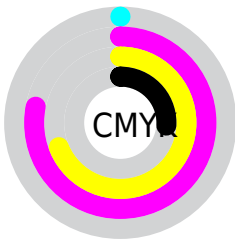
Distribution



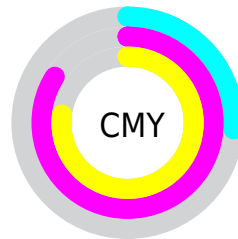
- Red (74%)
- Green (16%)
- Blue (23%)



- Red (74%)
- Yellow (16%)
- Blue (23%)



- Cyan (0%)
- Magenta (78%)
- Yellow (69%)
- Black (26%)





- Cyan (26%)
- Magenta (84%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5429, 12.7102, 5.2682 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 22.5429, 12.7102, 5.2682 by changing the saturation by 10% instead.


 22.5429, 12.7102,
5.2682


 22.5429, 12.7102,
5.2682


257.9479,
209.0519, 161.4223


 14.3752, 7.2293,
2.3440


 47.1139, 30.7822,
16.8426


 8.4655, 3.6059,
0.7557


 64.2478, 44.1420,
26.3298

 4.4485, 1.4557,
0.0000


 85.1013, 60.8969,
38.8419

 1.9589, 0.2572,
0.0000

 110.0395, 81.4314,
54.7972

 0.6107, 0.0000,
0.0000

 139.4280,
106.1297, 74.6144

 0.0000, 0.0000,
0.0000

 173.6319,

135.3763, 98.7119

213.0168,
169.5556, 127.5084

■ 22.5429, 12.7102,
5.2682

■ 22.5429, 12.7102,
5.2682

■ 21.6801, 11.5588,
3.2111

■ 23.8582, 14.5456,
8.1586

■ 21.1915, 10.9567,
1.8918

■ 25.6768, 17.1470,
11.9586

■ 21.1280, 10.8755,
1.7294

■ 28.0439, 20.5872,
16.7365

■ 30.9990, 24.9298,
22.5540

■ 34.5781, 30.2325,
29.4675

■ 38.8144, 36.5480,
37.5294

■ 43.7385, 43.9253,
46.7888

■ 49.3794, 52.4100,
57.2917

■ 55.7640, 62.0452,
69.0820

Harmonies

Analogous

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



23.8920, 12.7102, 16.0454



22.5429, 12.7102, 5.2682



18.1402, 12.7102, 1.4617

Triad

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



22.5429, 12.7102, 5.2682



5.9354, 12.7102, 3.5805



11.3627, 12.7102, 60.8272

Complementary

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



22.5429, 12.7102, 5.2682



26.5598, 39.8455, 45.3264

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.



7.5476, 12.7102, 49.3045



22.5429, 12.7102, 5.2682



4.9908, 12.7102, 11.8452

Square

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



22.5429, 12.7102, 5.2682



8.5135, 12.7102, 1.0412



5.4908, 12.7102, 28.7017



16.5265, 12.7102, 54.3630

Rectangle

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



22.5429, 12.7102, 5.2682



14.5611, 12.7102, 0.7458



5.4908, 12.7102, 28.7017



9.8992, 12.7102, 58.7928

Sweetspot

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



22.5432, 12.7110, 5.2684



65.5215, 59.4935, 59.6358



26.9336, 14.0014, 49.4267



13.5175, 11.9411, 11.7319



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.



22.5432, 12.7110, 5.2684



38.1549, 19.8702, 3.9317



25.7300, 19.6658, 4.5387



9.5735, 9.5537, 10.1432



14.2306, 7.3234, 1.2422



0.5723, 0.2928, 0.1272

Inverse Universe

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



22.5432, 12.7110, 5.2684



38.1549, 19.8702, 3.9317



18.3882, 20.7219, 51.1742



9.5735, 9.5537, 10.1432



14.2306, 7.3234, 1.2422



0.5723, 0.2928, 0.1272

Previews

White Background



This preview shows how the XYZ color 22.5429, 12.7102, 5.2682 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 22.5429, 12.7102, 5.2682 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 22.5429, 12.7102, 5.2682

Background



This preview shows how black text looks on a background with the XYZ color 22.5429, 12.7102, 5.2682.

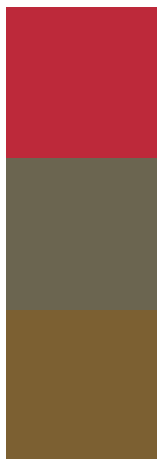


This preview shows how white text looks on a background with the XYZ color 22.5429, 12.7102,

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

22.5429, 12.7102, 5.2682

Protanopia

12.1651, 13.0123, 9.4599

Deuteranopia

13.0708, 12.8811, 4.8150



Tritanopia

22.3606, 12.8096, 3.7766

Trichromacy



Original Color

22.5429, 12.7102, 5.2682

Protanomaly

14.2822, 11.3782, 7.5744

Deuteranomaly

15.4398, 11.7218, 4.8169

Tritanomaly

22.4259, 12.7769, 4.3018

Monochromacy



Original Color

22.5429, 12.7102, 5.2682

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.8068, 9.1872, 7.9885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5429, 12.7102, 5.2682 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, 41, 58)` looks like.

```
.text, #text, p{  
    color:rgb(189, 41, 58)  
}
```

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, 41, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 41, 58) }
```

Border

The CSS property to change the border of an element to XYZ 22.5429, 12.7102, 5.2682 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, 41, 58) }
```


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

```
.border{ border-color:rgb(189, 41, 58) }
```

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

Here you see how a box with a 4 pixel rgb(189, 41, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 41, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 41, 58);  
box-shadow:4px 4px 4px 4px rgb(189, 41,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5429, 12.7102, 5.2682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 41, 58) }
```

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

```
.background{ background-color: rgb(189, 41,  
58) }
```

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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