

Converting Colors

XYZ(22.2121, 12.1304, 5.2673)

Have a look what the booklet for
XYZ(22.2121, 12.1304, 5.2673)
contains.

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Color

**XYZ(22.2922, 12.1676,
5.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	BD203B
RGB	189, 32, 59
RGB Percent	74%, 13%, 23%
CMY	0.2588, 0.8745, 0.7686
CMYK	0.00, 0.83, 0.69, 0.26
HSL	350°, 71%, 43%
HSV	350°, 83%, 74%
XYZ	22.2922, 12.1676, 5.3113
YIQ	82.0210, 84.9050, 41.6810

Conversions

Conversions Part 2

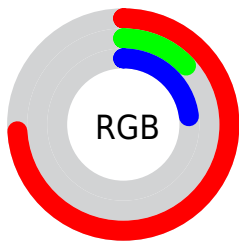
Format	Color
RYB	189, 32, 59
Decimal	12394555
CIELab	41.48, 60.58, 26.03
CIElCh	41, 65.939, 23.250
Yxy	12.1676, 0.5605, 0.3059
Android (android.graphics.Color)	4290584635 (0xFFBD203B)
YUV	82.0210, -11.3494, 93.8206
Hunter-Lab	34.8821, 53.0309, 15.3897

Details

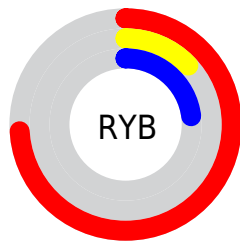
The XYZ color **22.2922, 12.1676, 5.3113** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **25.3165, 39.3114, 40.4425**, and the grayscale version is **8.0357, 8.4542, 9.2066**.

A 20% lighter version of the original color is **46.8386, 29.9205, 16.9422**, and **9.0113, 4.6329, 0.9916** is the 20% darker color. If you saturate the color by 10%, you get **21.5740, 11.2865, 3.3607**, and if you desaturate by 10%, it is **23.4243, 13.6822, 8.0005**.

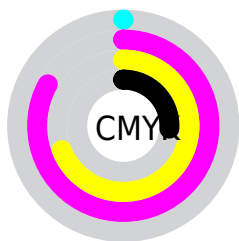
Distribution



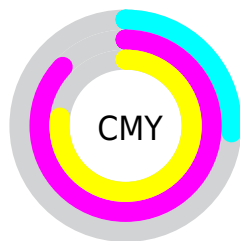
- Red (74%)
- Green (13%)
- Blue (23%)



- Red (74%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (83%)
- Yellow (69%)
- Black (26%)





- Cyan (26%)
- Magenta (87%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2922, 12.1676, 5.3113 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 22.2922, 12.1676, 5.3113 by changing the saturation by 10% instead.


 22.2922, 12.1676,
5.3113


 22.2922, 12.1676,
5.3113


256.6722,
205.5117, 161.8436


 14.1896, 6.8579,
2.3691


 46.7037, 29.8000,
16.9360


 8.3352, 3.3734,
0.7696


 63.7433, 42.8915,
26.4557


 4.3638, 1.3296,
0.0000

 84.4927, 59.3457,
39.0049

 1.9099, 0.1640,
0.0000

 109.3170, 79.5471,
55.0023

 0.5826, 0.0000,
0.0000

 138.5818,
103.8800, 74.8662

 0.0000, 0.0000,
0.0000

 172.6524,

132.7288, 99.0154

211.8940,
166.4779, 127.8684

■ 22.2922, 12.1676,
5.3113

■ 22.2922, 12.1676,
5.3113

■ 21.5740, 11.2865,
3.3607

■ 23.4243, 13.6822,
8.0005

■ 21.2536, 10.9257,
2.3903

■ 25.0231, 15.9193,
11.4943

■ 27.1339, 18.9557,
15.8517

■ 29.7965, 22.8581,
21.1257

■ 33.0467, 27.6859,
27.3653

■ 36.9171, 33.4933,
34.6157

■ 41.4379, 40.3303,
42.9193

■ 46.6375, 48.2437,
52.3161

■ 52.5425, 57.2770,
62.8440

Harmonies

Analogous

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



23.3714, 12.1676, 16.6059



22.2922, 12.1676, 5.3113



18.0160, 12.1676, 1.3484

Triad

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



22.2922, 12.1676, 5.3113



5.6320, 12.1676, 2.8891



10.5133, 12.1676, 60.6823

Complementary

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



22.2922, 12.1676, 5.3113



25.3165, 39.3114, 40.4425

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.



6.8733, 12.1676, 47.7402



22.2922, 12.1676, 5.3113



4.6053, 12.1676, 10.3771

Square

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



22.2922, 12.1676, 5.3113



8.2895, 12.1676, 0.7645



4.9866, 12.1676, 26.6689



15.6062, 12.1676, 55.4245

Rectangle

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



22.2922, 12.1676, 5.3113



14.4353, 12.1676, 0.5857



4.9866, 12.1676, 26.6689



9.1028, 12.1676, 58.1301

Sweetspot

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



22.2925, 12.1683, 5.3115



64.3951, 57.3920, 58.7935



24.2432, 12.2041, 49.2217



13.3165, 11.5440, 11.6498



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.



22.2925, 12.1683, 5.3115



38.0058, 19.5443, 3.9674



24.2438, 16.9165, 3.3550



9.5953, 9.5624, 10.2579



14.3201, 7.3592, 1.7134



0.5819, 0.2967, 0.1776

Inverse Universe

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



22.2925, 12.1683, 5.3115



38.0058, 19.5443, 3.9674



19.0557, 22.5301, 51.4882



9.5953, 9.5624, 10.2579



14.3201, 7.3592, 1.7134



0.5819, 0.2967, 0.1776

Previews

White Background



This preview shows how the XYZ color 22.2922, 12.1676, 5.3113 looks on a white background.

Color Contrast Check

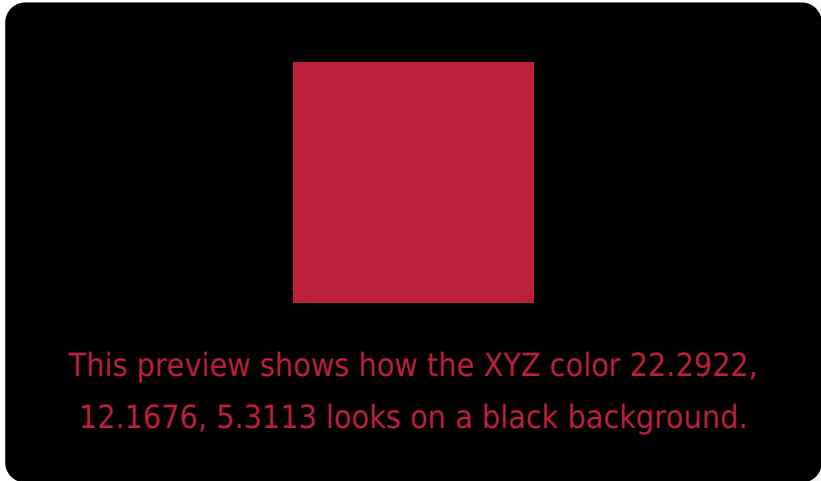
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2922, 12.1676, 5.3113

Background



This preview shows how black text looks on a background with the XYZ color 22.2922, 12.1676, 5.3113.



This preview shows how white text looks on a background with the XYZ color 22.2922, 12.1676,

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

22.2922, 12.1676, 5.3113

Protanopia

11.7321, 12.4913, 9.9763

Deuteranopia

12.6045, 12.3733, 4.7416



Tritanopia

21.7345, 12.1481, 2.9495

Trichromacy



Original Color

22.2922, 12.1676, 5.3113

Protanomaly

13.7438, 10.6775, 7.8151

Deuteranomaly

14.7499, 10.8745, 4.6897

Tritanomaly

21.8137, 12.0829, 3.6651

Monochromacy



Original Color

22.2922, 12.1676, 5.3113

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.9546, 8.2262, 7.4890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2922, 12.1676, 5.3113 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, 32, 59)` looks like.

```
.text, #text, p{  
    color:rgb(189, 32, 59)  
}
```

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, 32, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 32, 59) }
```

Border

The CSS property to change the border of an element to XYZ 22.2922, 12.1676, 5.3113 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, 32, 59) }
```


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

```
.border{ border-color:rgb(189, 32, 59) }
```

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

Here you see how a box with a 4 pixel rgb(189, 32, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 32, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 32, 59);  
box-shadow:4px 4px 4px 4px rgb(189, 32,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2922, 12.1676, 5.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 32, 59) }
```

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

```
.background{ background-color: rgb(189, 32,  
59) }
```

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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