

Converting Colors

XYZ(21.9643, 11.2750, 3.1963)

Have a look what the booklet for
XYZ(21.9643, 11.2750, 3.1963)
contains.

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Color

**XYZ(21.9038, 11.2435,
3.2062)**

Conversions

Conversions Part 1

Format	Color
Hex	BF002A
RGB	191, 0, 42
RGB Percent	75%, 0%, 16%
CMY	0.2510, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.78, 0.25
HSL	347°, 100%, 37%
HSV	347°, 100%, 75%
XYZ	21.9038, 11.2435, 3.2062
YIQ	61.8970, 100.3540, 53.5540

Conversions

Conversions Part 2

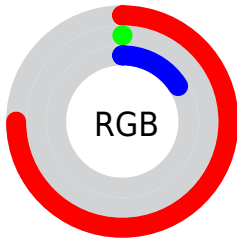
Format	Color
RYB	191, 0, 42
Decimal	12517418
CIELab	39.99, 65.22, 34.77
CIElCh	40, 73.911, 28.063
Yxy	11.2435, 0.6025, 0.3093
Android (android.graphics.Color)	4290707498 (0xFFBF002A)
YUV	61.8970, -9.8092, 113.2233
Hunter-Lab	33.5313, 57.9224, 17.8027

Details

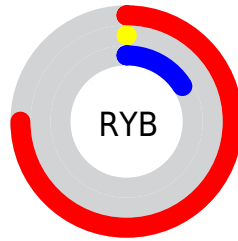
The XYZ color **21.9038, 11.2435, 3.2062** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.0586, 39.4327, 34.7910**, and the grayscale version is **4.5700, 4.8080, 5.2359**.

A 20% lighter version of the original color is **46.0947, 28.1511, 12.2368**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **21.9032, 11.2433, 3.2038**, and if you desaturate by 10%, it is **22.4570, 11.8410, 4.9601**.

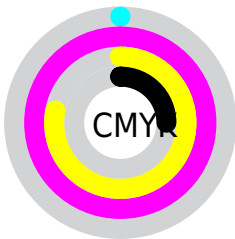
Distribution



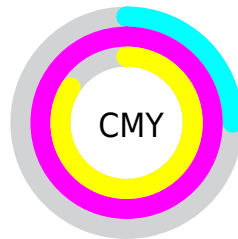
- Red (75%)
- Green (0%)
- Blue (16%)



- Red (75%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (25%)





- Cyan (25%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9038, 11.2435, 3.2062 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 21.9038, 11.2435, 3.2062 by changing the saturation by 10% instead.


 21.9038, 11.2435,
3.2062


 21.9038, 11.2435,
3.2062


254.6853,
199.3306, 138.9450


 13.9024, 6.2309,
1.2009


 46.0670, 28.1096,
12.1331


 8.1341, 2.9860,
0.0000


 62.9595, 40.7318,
19.8918


 4.2334, 1.1244,
0.0000

 83.5465, 56.6593,
30.4054

 1.8350, 0.0000,
0.0000

 108.1932, 76.2766,
44.0923

 0.5386, 0.0000,
0.0000

 137.2652, 99.9679,
61.3713

 0.0000, 0.0000,
0.0000

 171.1276,

128.1178, 82.6606

210.1458,
161.1105, 108.3791

21.9038, 11.2435,
3.2062

21.9038, 11.2435,
3.2062

21.9032, 11.2433,
3.2038

22.4570, 11.8410,
4.9601

23.3497, 12.9429,
7.3652

24.6738, 14.7190,
10.4949

26.4792, 17.2567,
14.4046

28.8085, 20.6301,
19.1435

■ 31.6997, 24.9043,
24.7569

■ 35.1872, 30.1382,
31.2867

■ 39.3023, 36.3853,
38.7720

■ 44.0743, 43.6955,
47.2494

Harmonies

Analogous

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



23.8102, 11.2435, 13.2177



21.9038, 11.2435, 3.2062



16.7677, 11.2435, 0.4350

Triad

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



21.9038, 11.2435, 3.2062



4.3321, 11.2435, 2.5783



10.3581, 11.2435, 67.3393

Complementary

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



21.9038, 11.2435, 3.2062



24.0586, 39.4327, 34.7910

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.



6.2886, 11.2435, 54.9709



21.9038, 11.2435, 3.2062



3.5706, 11.2435, 11.3160

Square

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



21.9038, 11.2435, 3.2062



6.7010, 11.2435, 0.2603



4.1528, 11.2435, 30.8086



16.0033, 11.2435, 57.5990

Rectangle

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



21.9038, 11.2435, 3.2062



12.8489, 11.2435, 0.0000



4.1528, 11.2435, 30.8086



8.7816, 11.2435, 65.5113

Sweetspot

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



21.9040, 11.2442, 3.2064



62.6872, 53.4744, 55.4194



21.3369, 9.9138, 50.0790



13.1557, 10.8245, 11.0361



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



21.9040, 11.2442, 3.2064



39.1556, 20.1076, 5.3516



22.6679, 13.4404, 1.4005



9.6137, 9.5698, 10.3548



14.4198, 7.3991, 2.2384



0.5899, 0.2999, 0.2199

Inverse Universe

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



21.9040, 11.2442, 3.2064



39.1556, 20.1076, 5.3516



18.7935, 22.5400, 52.6501



9.6137, 9.5698, 10.3548



14.4198, 7.3991, 2.2384



0.5899, 0.2999, 0.2199

Previews

White Background



This preview shows how the XYZ color 21.9038, 11.2435, 3.2062 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 21.9038, 11.2435, 3.2062

Background



This preview shows how black text looks on a background with the XYZ color 21.9038, 11.2435, 3.2062.



This preview shows how white text looks on a background with the XYZ color 21.9038, 11.2435,

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

21.9038, 11.2435, 3.2062

Protanopia

11.0258, 11.9228, 6.5707

Deuteranopia

11.9466, 11.8130, 2.8788



Tritanopia

21.7405, 11.5243, 1.2796

Trichromacy



Original Color

21.9038, 11.2435, 3.2062

Protanomaly

12.5898, 8.9650, 4.8082

Deuteranomaly

13.7068, 9.3544, 2.5965

Tritanomaly

21.7318, 11.3662, 1.7103

Monochromacy



Original Color

21.9038, 11.2435, 3.2062

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.7218, 4.9781, 4.1683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9038, 11.2435, 3.2062 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(191, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 42)  
}
```

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(191, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 21.9038, 11.2435, 3.2062 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(191, 0, 42) }
```


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

```
.border{ border-color:rgb(191, 0, 42) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.9038, 11.2435, 3.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 42) }
```

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

```
.background{ background-color: rgb(191, 0,  
42) }
```

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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