

Converting Colors

XYZ(21.3278, 10.9468, 3.1685)

Have a look what the booklet for
XYZ(21.3278, 10.9468, 3.1685)
contains.

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Color

**XYZ(21.4042, 10.9860,
3.1829)**

Conversions

Conversions Part 1

Format	Color
Hex	BD002A
RGB	189, 0, 42
RGB Percent	74%, 0%, 16%
CMY	0.2588, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.78, 0.26
HSL	347°, 100%, 37%
HSV	347°, 100%, 74%
XYZ	21.4042, 10.9860, 3.1829
YIQ	61.2990, 99.1620, 53.1300

Conversions

Conversions Part 2

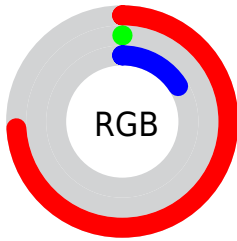
Format	Color
RYB	189, 0, 42
Decimal	12386346
CIELab	39.56, 64.73, 34.18
CIElCh	40, 73.198, 27.835
Yxy	10.9860, 0.6017, 0.3088
Android (android.graphics.Color)	4290576426 (0xFFBD002A)
YUV	61.2990, -9.5144, 111.9938
Hunter-Lab	33.1451, 57.2663, 17.5080

Details

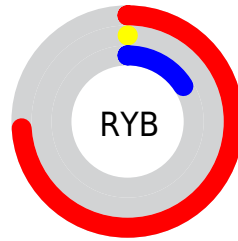
The XYZ color **21.4042, 10.9860, 3.1829** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **23.4671, 38.5029, 33.8131**, and the grayscale version is **4.4841, 4.7176, 5.1375**.

A 20% lighter version of the original color is **45.2868, 27.6218, 12.1772**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **21.4035, 10.9857, 3.1803**, and if you desaturate by 10%, it is **21.9490, 11.5748, 4.9095**.

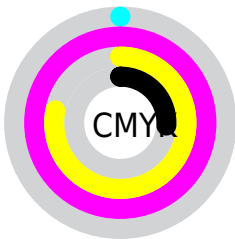
Distribution



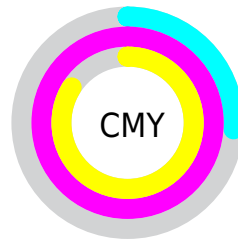
- Red (74%)
- Green (0%)
- Blue (16%)



- Red (74%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4042, 10.9860, 3.1829 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 21.4042, 10.9860, 3.1829 by changing the saturation by 10% instead.


 21.4042, 10.9860,
3.1829


 21.4042, 10.9860,
3.1829


252.1101,
197.5715, 138.6571


 13.5339, 6.0574,
1.1888


 45.2455, 27.6343,
12.0765


 7.8767, 2.8800,
0.0000


 61.9472, 40.1228,
19.8131


 4.0673, 1.0694,
0.0000

 82.3235, 55.9000,
30.3009

 1.7403, 0.0000,
0.0000

 106.7396, 75.3504,
43.9584

 0.4813, 0.0000,
0.0000

 135.5610, 98.8584,
61.2043

 0.0000, 0.0000,
0.0000

 169.1530,

126.8083, 82.4570

207.8809,
159.5845, 108.1351

21.4042, 10.9860,
3.1829

21.4042, 10.9860,
3.1829

21.4035, 10.9857,
3.1803

21.9490, 11.5748,
4.9095

22.8244, 12.6547,
7.2694

24.1203, 14.3926,
10.3338

25.8853, 16.8735,
14.1561

28.1608, 20.1695,
18.7841

■ 30.9838, 24.3440,
24.2613

■ 34.3876, 29.4544,
30.6284

■ 38.4029, 35.5528,
37.9230

■ 43.0580, 42.6878,
46.1808

Harmonies

Analogous

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



23.2305, 10.9860, 13.0282



21.4042, 10.9860, 3.1829



16.4139, 10.9860, 0.4361

Triad

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



21.4042, 10.9860, 3.1829



4.2527, 10.9860, 2.4967



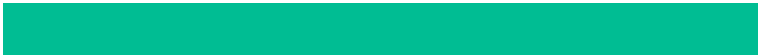
10.0842, 10.9860, 65.6173

Complementary

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



21.4042, 10.9860, 3.1829



23.4671, 38.5029, 33.8131

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.



6.1289, 10.9860, 53.4302



21.4042, 10.9860, 3.1829



3.4986, 10.9860, 10.9554

Square

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



21.4042, 10.9860, 3.1829



6.5787, 10.9860, 0.2428



4.0570, 10.9860, 29.8782



15.5812, 10.9860, 56.2900

Rectangle

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



21.4042, 10.9860, 3.1829



12.5925, 10.9860, 0.0000



4.0570, 10.9860, 29.8782



8.5512, 10.9860, 63.7802

Sweetspot

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



21.4044, 10.9867, 3.1830



61.2589, 52.2551, 54.2478



20.8465, 9.6863, 48.9147



12.5976, 10.3701, 10.5966



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.



21.4044, 10.9867, 3.1830



38.2609, 19.6463, 5.3106



22.1452, 13.1367, 1.3695



9.6146, 9.5701, 10.3595



14.4252, 7.4013, 2.2670



0.5903, 0.3000, 0.2219

Inverse Universe

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



21.4044, 10.9867, 3.1830



38.2609, 19.6463, 5.3106



18.3618, 22.0266, 51.4276



9.6146, 9.5701, 10.3595



14.4252, 7.4013, 2.2670



0.5903, 0.3000, 0.2219

Previews

White Background



This preview shows how the XYZ color 21.4042, 10.9860, 3.1829 looks on a white background.

Color Contrast Check

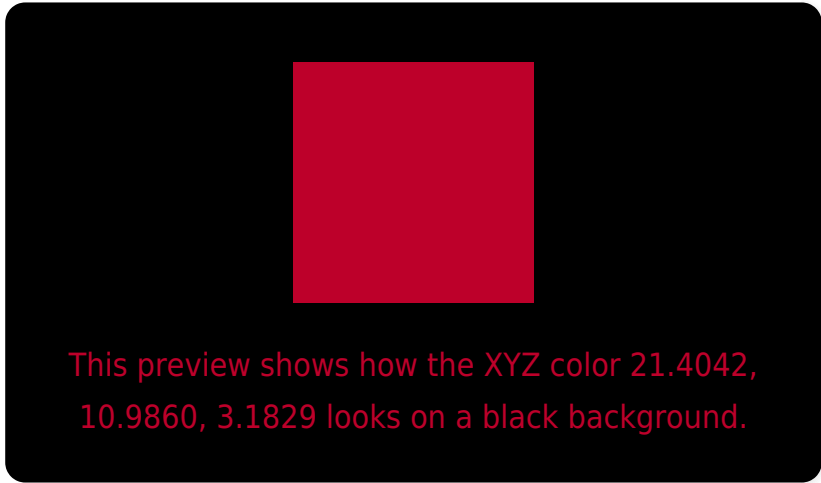
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4042, 10.9860, 3.1829

Background



This preview shows how black text looks on a background with the XYZ color 21.4042, 10.9860, 3.1829.



This preview shows how white text looks on a background with the XYZ color 21.4042, 10.9860,

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

21.4042, 10.9860, 3.1829

Protanopia

10.8172, 11.6790, 6.5346

Deuteranopia

11.7212, 11.5690, 2.8436



Tritanopia

21.2464, 11.2690, 1.2850

Trichromacy



Original Color

21.4042, 10.9860, 3.1829

Protanomaly

12.3742, 8.7739, 4.7827

Deuteranomaly

13.4788, 9.1613, 2.5713

Tritanomaly

21.2322, 11.1087, 1.6869

Monochromacy



Original Color

21.4042, 10.9860, 3.1829

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.5757, 4.9055, 4.0376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4042, 10.9860, 3.1829 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, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 21.4042, 10.9860, 3.1829 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, 0, 42) }
```


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

```
.border{ border-color:rgb(189, 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(189, 0, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.4042, 10.9860, 3.1829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 42) }
```

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

```
.background{ background-color: rgb(189, 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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