

Converting Colors

XYZ(21.8036, 11.1372, 5.6744)

Have a look what the booklet for
XYZ(21.8036, 11.1372, 5.6744)
contains.

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Color

**XYZ(21.8835, 11.1777,
5.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	BD003F
RGB	189, 0, 63
RGB Percent	74%, 0%, 25%
CMY	0.2588, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.67, 0.26
HSL	340°, 100%, 37%
HSV	340°, 100%, 74%
XYZ	21.8835, 11.1777, 5.7068
YIQ	63.6930, 92.4210, 59.6610

Conversions

Conversions Part 2

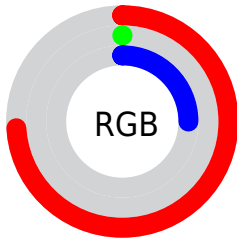
Format	Color
RYB	189, 0, 63
Decimal	12386367
CIELab	39.88, 65.60, 21.49
CIELCh	40, 69.030, 18.143
Yxy	11.1777, 0.5645, 0.2883
Android (android.graphics.Color)	4290576447 (0xFFBD003F)
YUV	63.6930, -0.3416, 109.8942
Hunter-Lab	33.4331, 58.3287, 13.2827

Details

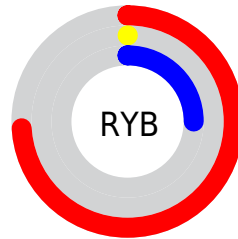
The XYZ color **21.8835, 11.1777, 5.7068** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.9660, 37.9025, 25.9081**, and the grayscale version is **4.8209, 5.0719, 5.5233**.

A 20% lighter version of the original color is **46.0526, 28.0077, 17.7306**, and **8.8972, 4.5700, 1.1722** is the 20% darker color. If you saturate the color by 10%, you get **21.8828, 11.1774, 5.7035**, and if you desaturate by 10%, it is **22.5087, 11.7986, 7.8563**.

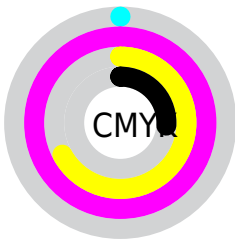
Distribution



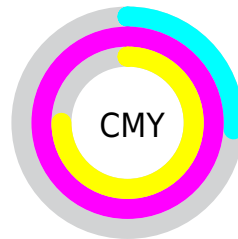
- Red (74%)
- Green (0%)
- Blue (25%)



- Red (74%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8835, 11.1777, 5.7068 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 21.8835, 11.1777, 5.7068 by changing the saturation by 10% instead.


 21.8835, 11.1777,
5.7068

 21.8835, 11.1777,
5.7068


254.5811,
198.8827, 165.6393


 13.8874, 6.1865,
2.6017


 46.0337, 27.9883,
17.7863


 8.1236, 2.9588,
0.8934


 62.9185, 40.5765,
27.5978


 4.2266, 1.1103,
0.0000

 83.4969, 56.4658,
40.4818

 1.8311, 0.0000,
0.0000

 108.1344, 76.0406,
56.8569

 0.5363, 0.0000,
0.0000

 137.1961, 99.6852,
77.1417

 0.0000, 0.0000,
0.0000

 171.0476,

127.7842, 101.7547

210.0542,
160.7219, 131.1144

■ 21.8835, 11.1777,
5.7068

■ 21.8835, 11.1777,
5.7068

■ 21.8828, 11.1774,
5.7035

■ 22.5087, 11.7986,
7.8563

■ 23.4439, 12.9024,
10.5319

■ 24.7757, 14.6546,
13.7852

■ 26.5492, 17.1389,
17.6527

■ 28.8032, 20.4261,
22.1671

■ 31.5718, 24.5789,
27.3586

■ 34.8863, 29.6534,
33.2551

■ 38.7749, 35.7011,
39.8832

■ 43.2641, 42.7697,
47.2678

Harmonies

Analogous

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



22.3058, 11.1777, 18.3764



21.8835, 11.1777, 5.7068



17.9595, 11.1777, 1.2343

Triad

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



21.8835, 11.1777, 5.7068



5.1695, 11.1777, 1.7300



8.8555, 11.1777, 59.9233

Complementary

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



21.8835, 11.1777, 5.7068



21.9660, 37.9025, 25.9081

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.



5.6201, 11.1777, 43.9038



21.8835, 11.1777, 5.7068



3.9573, 11.1777, 7.5477

Square

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



21.8835, 11.1777, 5.7068



8.0260, 11.1777, 0.2207



4.0931, 11.1777, 22.2694



13.7299, 11.1777, 57.8003

Rectangle

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



21.8835, 11.1777, 5.7068



14.4007, 11.1777, 0.3277



4.0931, 11.1777, 22.2694



7.5732, 11.1777, 56.1770

Sweetspot

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



21.8838, 11.1784, 5.7070



62.1621, 52.6164, 59.0037



17.7915, 8.1113, 48.7718



12.8077, 10.4541, 11.7031



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.



21.8838, 11.1784, 5.7070



39.0932, 19.9792, 9.6933



21.4903, 11.8266, 1.1511



9.6578, 9.5874, 10.5869



14.7555, 7.5334, 4.0063



0.6090, 0.3075, 0.3201

Inverse Universe

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



21.8838, 11.1784, 5.7070



39.0932, 19.9792, 9.6933



21.3284, 27.9596, 52.4165



9.6578, 9.5874, 10.5869



14.7555, 7.5334, 4.0063



0.6090, 0.3075, 0.3201

Previews

White Background



This preview shows how the XYZ color 21.8835, 11.1777, 5.7068 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 21.8835, 11.1777, 5.7068

Background



This preview shows how black text looks on a background with the XYZ color 21.8835, 11.1777, 5.7068.



This preview shows how white text looks on a background with the XYZ color 21.8835, 11.1777,

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

21.8835, 11.1777, 5.7068

Protanopia

11.3042, 11.8087, 12.0394

Deuteranopia

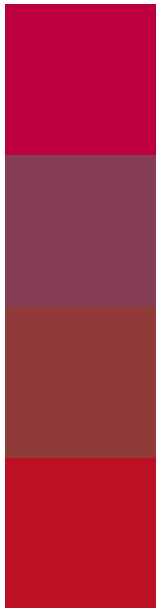
11.9642, 11.7722, 5.1317



Tritanopia

21.2315, 11.4446, 1.8491

Trichromacy



Original Color

21.8835, 11.1777, 5.7068

Protanomaly

12.7075, 8.8522, 9.0215

Deuteranomaly

13.8041, 9.3526, 4.9486

Tritanomaly

21.2583, 11.1955, 2.7908

Monochromacy



Original Color

21.8835, 11.1777, 5.7068

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0250, 5.2073, 5.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8835, 11.1777, 5.7068 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 21.8835, 11.1777, 5.7068 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, 63) }
```


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

```
.border{ border-color:rgb(189, 0, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.8835, 11.1777, 5.7068 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, 63) }
```

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

```
.background{ background-color: rgb(189, 0,  
63) }
```

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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