

Converting Colors

XYZ(22.0311, 11.2282, 6.8721)

Have a look what the booklet for
XYZ(22.0311, 11.2282, 6.8721)
contains.

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Color

**XYZ(22.0918, 11.2610,
6.8036)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0046
RGB	189, 0, 70
RGB Percent	74%, 0%, 27%
CMY	0.2588, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.63, 0.26
HSL	338°, 100%, 37%
HSV	338°, 100%, 74%
XYZ	22.0918, 11.2610, 6.8036
YIQ	64.4910, 90.1740, 61.8380

Conversions

Conversions Part 2

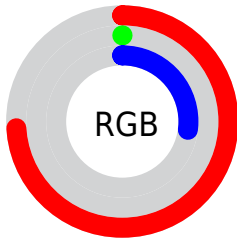
Format	Color
RYB	189, 0, 70
Decimal	12386374
CIELab	40.02, 65.97, 17.22
CIElCh	40, 68.180, 14.626
Yxy	11.2610, 0.5501, 0.2804
Android (android.graphics.Color)	4290576454 (0xFFBD0046)
YUV	64.4910, 2.7159, 109.1944
Hunter-Lab	33.5574, 58.7862, 11.4694

Details

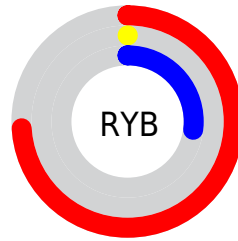
The XYZ color **22.0918, 11.2610, 6.8036** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.5297, 37.7280, 23.6103**, and the grayscale version is **4.9362, 5.1933, 5.6555**.

A 20% lighter version of the original color is **46.5082, 28.1900, 20.1295**, and **9.1117, 4.6730, 1.5204** is the 20% darker color. If you saturate the color by 10%, you get **22.0911, 11.2607, 6.8002**, and if you desaturate by 10%, it is **22.7372, 11.8900, 9.0598**.

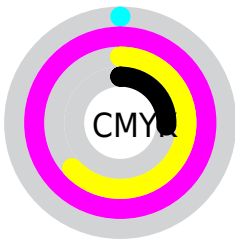
Distribution



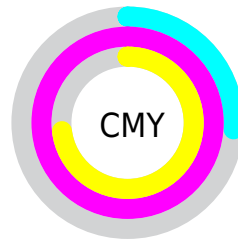
- Red (74%)
- Green (0%)
- Blue (27%)



- Red (74%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0918, 11.2610, 6.8036 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 22.0918, 11.2610, 6.8036 by changing the saturation by 10% instead.


 22.0918, 11.2610,
6.8036


 22.0918, 11.2610,
6.8036


255.6487,
199.4495, 175.5902


 14.0413, 6.2427,
3.2630


 46.3754, 28.1418,
20.0831


 8.2313, 2.9932,
1.2304


 63.3393, 40.7731,
30.6591

 4.2964, 1.1282,
0.0037

 84.0050, 56.7108,
44.4173

 1.8711, 0.0018,
0.0000

 108.7379, 76.3393,
61.7762

 0.5600, 0.0000,
0.0000

 137.9033,
100.0430, 83.1544

 0.0000, 0.0000,
0.0000

 171.8667,

128.2064, 108.9705

210.9934,
161.2137, 139.6429

■ 22.0918, 11.2610,
6.8036

■ 22.0918, 11.2610,
6.8036

■ 22.0911, 11.2607,
6.8002

■ 22.7372, 11.8900,
9.0598

■ 23.6856, 12.9990,
11.8044

■ 25.0224, 14.7532,
15.0846

■ 26.7922, 17.2359,
18.9325

■ 29.0329, 20.5178,
23.3773

■ 31.7782, 24.6612,
28.4456

■ 35.0584, 29.7219,
34.1624

■ 38.9015, 35.7514,
40.5510

■ 43.3334, 42.7969,
47.6335

Harmonies

Analogous

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



22.0422, 11.2610, 20.5143



22.0918, 11.2610, 6.8036



18.5400, 11.2610, 1.5706

Triad

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



22.0918, 11.2610, 6.8036



5.5137, 11.2610, 1.5105



8.4749, 11.2610, 58.2093

Complementary

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



22.0918, 11.2610, 6.8036



21.5297, 37.7280, 23.6103

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.



5.4602, 11.2610, 41.0444



22.0918, 11.2610, 6.8036



4.1250, 11.2610, 6.5851

Square

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



22.0918, 11.2610, 6.8036



8.5731, 11.2610, 0.2114



4.1088, 11.2610, 20.0568



13.1599, 11.2610, 58.4572

Rectangle

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



22.0918, 11.2610, 6.8036



15.0777, 11.2610, 0.5167



4.1088, 11.2610, 20.0568



7.2690, 11.2610, 53.8706

Sweetspot

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



22.0921, 11.2617, 6.8038



62.4743, 52.7413, 60.6480



16.4631, 7.4265, 48.7097



12.8809, 10.4834, 12.0882



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.



22.0921, 11.2617, 6.8038



39.4593, 20.1257, 11.6214



21.2748, 11.3957, 1.0792



9.6723, 9.5932, 10.6634



14.8977, 7.5902, 4.7551



0.6154, 0.3101, 0.3541

Inverse Universe

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



22.0921, 11.2617, 6.8038



39.4593, 20.1257, 11.6214



22.9959, 31.2948, 52.9725



9.6723, 9.5932, 10.6634



14.8977, 7.5902, 4.7551



0.6154, 0.3101, 0.3541

Previews

White Background



This preview shows how the XYZ color 22.0918, 11.2610, 6.8036 looks on a white background.

Color Contrast Check

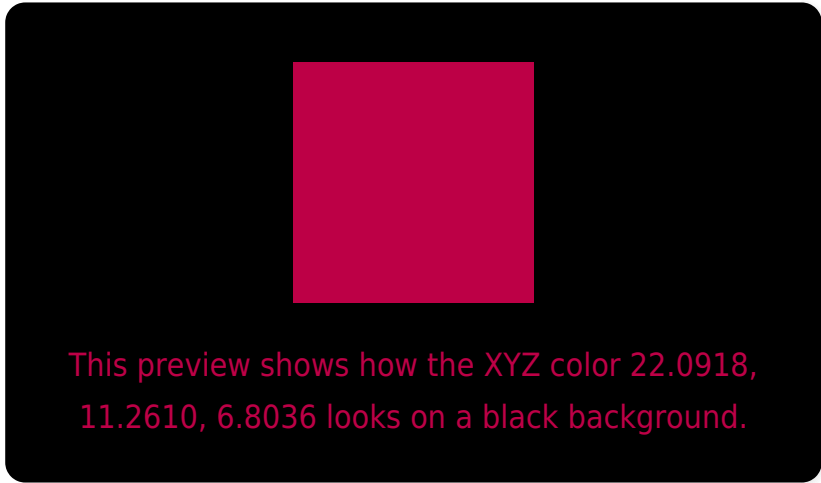
Large Text (above 18pt) WCAG AA ✓ Pass

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

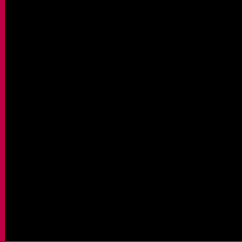
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0918, 11.2610, 6.8036

Background



This preview shows how black text looks on a background with the XYZ color 22.0918, 11.2610, 6.8036.



This preview shows how white text looks on a background with the XYZ color 22.0918, 11.2610,

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

22.0918, 11.2610, 6.8036

Protanopia

11.5608, 11.8864, 14.5169

Deuteranopia

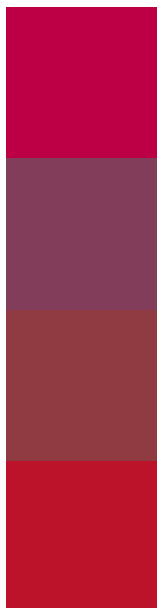
12.1200, 11.9584, 6.2268



Tritanopia

21.3407, 11.5965, 2.0908

Trichromacy



Original Color

22.0918, 11.2610, 6.8036

Protanomaly

12.7630, 8.8386, 10.9309

Deuteranomaly

13.8458, 9.3492, 6.0759

Tritanomaly

21.3733, 11.2911, 3.2434

Monochromacy



Original Color

22.0918, 11.2610, 6.8036

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.2365, 5.3061, 5.9003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0918, 11.2610, 6.8036 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 22.0918, 11.2610, 6.8036 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, 70) }
```


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

```
.border{ border-color:rgb(189, 0, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0918, 11.2610, 6.8036 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, 70) }
```

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

```
.background{ background-color: rgb(189, 0,  
70) }
```

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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