

Converting Colors

XYZ(22.6330, 11.4689, 10.0417)

Have a look what the booklet for
XYZ(22.6330, 11.4689, 10.0417)
contains.

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Color

**XYZ(22.7066, 11.5069,
10.0411)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0057
RGB	189, 0, 87
RGB Percent	74%, 0%, 34%
CMY	0.2588, 0.9999, 0.6588
CMYK	0.00, 1.00, 0.54, 0.26
HSL	332°, 100%, 37%
HSV	332°, 100%, 74%
XYZ	22.7066, 11.5069, 10.0411
YIQ	66.4290, 84.7170, 67.1250

Conversions

Conversions Part 2

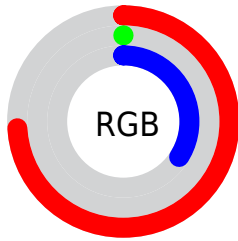
Format	Color
R_YB	189, 0, 87
Decimal	12386391
CIE Lab	40.42, 67.05, 6.92
CIE LCh	40, 67.407, 5.892
Yxy	11.5069, 0.5131, 0.2600
Android (android.graphics.Color)	4290576471 (0xFFBD0057)
YUV	66.4290, 10.1415, 107.4948
Hunter-Lab	33.9218, 60.1212, 6.1950

Details

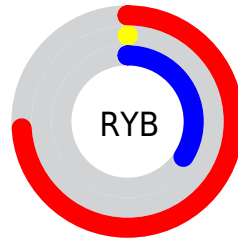
The XYZ color **22.7066, 11.5069, 10.0411** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **20.5977, 37.3553, 18.7029**, and the grayscale version is **5.2232, 5.4952, 5.9843**.

A 20% lighter version of the original color is **47.3979, 28.6275, 26.3201**, and **9.3200, 4.7564, 2.6173** is the 20% darker color. If you saturate the color by 10%, you get **22.7059, 11.5067, 10.0376**, and if you desaturate by 10%, it is **23.3850, 12.1490, 12.4711**.

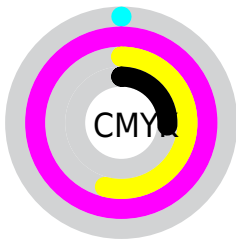
Distribution



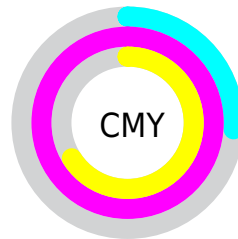
- Red (74%)
- Green (0%)
- Blue (34%)



- Red (74%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7066, 11.5069, 10.0411 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 22.7066, 11.5069, 10.0411 by changing the saturation by 10% instead.


 22.7066, 11.5069,
10.0411

 22.7066, 11.5069,
10.0411

258.7780,
201.1129, 201.4606


 14.4965, 6.4089,
5.3203


 47.3813, 28.5938,
26.4818


 8.5508, 3.0953,
2.3744


 64.5767, 41.3514,
39.0387

 4.5041, 1.1817,
0.7724

 85.4978, 57.4311,
55.0448

 1.9911, 0.0467,
0.0000

 110.5101, 77.2171,
74.9185

 0.6290, 0.0000,
0.0000

 139.9789,
101.0939, 99.0784

 0.0000, 0.0000,
0.0000

 174.2696,

129.4459, 127.9430

213.7475,
162.6574, 161.9309

■ 22.7066, 11.5069,
10.0411

■ 22.7066, 11.5069,
10.0411

■ 22.7059, 11.5067,
10.0376

■ 23.3850, 12.1490,
12.4711

■ 24.3491, 13.2643,
15.2984

■ 25.6827, 15.0171,
18.5617

■ 27.4289, 17.4903,
22.2857

■ 29.6243, 20.7541,
26.4925

■ 32.3015, 24.8701,
31.2021

■ 35.4894, 29.8939,
36.4334

■ 39.2151, 35.8763,
42.2040

■ 43.5034, 42.8644,
48.5304

Harmonies

Analogous

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



21.5153, 11.5069, 26.4627



22.7066, 11.5069, 10.0411



20.0827, 11.5069, 2.6227

Triad

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



22.7066, 11.5069, 10.0411



6.4248, 11.5069, 1.0574



7.6270, 11.5069, 54.5096

Complementary

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



22.7066, 11.5069, 10.0411



20.5977, 37.3553, 18.7029

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.



5.1000, 11.5069, 34.8414



22.7066, 11.5069, 10.0411



4.5589, 11.5069, 4.6176

Square

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



22.7066, 11.5069, 10.0411



10.0297, 11.5069, 0.1846



4.1556, 11.5069, 15.3974



11.8973, 11.5069, 60.3974

Rectangle

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



22.7066, 11.5069, 10.0411



16.8703, 11.5069, 0.9704



4.1556, 11.5069, 15.3974



6.5888, 11.5069, 48.8331

Sweetspot

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



22.7069, 11.5076, 10.0413



63.2562, 53.0540, 64.7650



14.5317, 6.4308, 48.6194



13.0649, 10.5570, 13.0574



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.



22.7069, 11.5076, 10.0413



40.5482, 20.5612, 17.3556



21.0551, 10.9563, 1.0059



9.7079, 9.6075, 10.8507



15.3150, 7.7571, 6.9522



0.6329, 0.3171, 0.4463

Inverse Universe

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



22.7069, 11.5076, 10.0413



40.5482, 20.5612, 17.3556



26.0576, 37.4181, 53.9931



9.7079, 9.6075, 10.8507



15.3150, 7.7571, 6.9522



0.6329, 0.3171, 0.4463

Previews

White Background



This preview shows how the XYZ color 22.7066, 11.5069, 10.0411 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



This preview shows how the XYZ color 22.7066, 11.5069, 10.0411 looks on a 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 22.7066, 11.5069, 10.0411

Background



This preview shows how black text looks on a background with the XYZ color 22.7066, 11.5069, 10.0411.



This preview shows how white text looks on a background with the XYZ color 22.7066, 11.5069, 10.0411.

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

22.7066, 11.5069, 10.0411

Protanopia

12.2570, 12.2294, 21.4532

Deuteranopia

12.3534, 12.1473, 9.0907



Tritanopia

21.3833, 11.8824, 2.6799

Trichromacy



Original Color

22.7066, 11.5069, 10.0411

Protanomaly

13.2514, 9.0507, 16.3778

Deuteranomaly

14.1234, 9.5036, 9.0726

Tritanomaly

21.6686, 11.5222, 4.4501

Monochromacy



Original Color

22.7066, 11.5069, 10.0411

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.6195, 5.5298, 7.0916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7066, 11.5069, 10.0411 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 22.7066, 11.5069, 10.0411 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, 87) }
```


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

```
.border{ border-color:rgb(189, 0, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.7066, 11.5069, 10.0411 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, 87) }
```

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

```
.background{ background-color: rgb(189, 0,  
87) }
```

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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