

Converting Colors

XYZ(22.4265, 11.3863, 8.9541)

Have a look what the booklet for
XYZ(22.4265, 11.3863, 8.9541)
contains.

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Color

**XYZ(22.5093, 11.4280,
9.0021)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0052
RGB	189, 0, 82
RGB Percent	74%, 0%, 32%
CMY	0.2588, 0.9999, 0.6784
CMYK	0.00, 1.00, 0.57, 0.26
HSL	334°, 100%, 37%
HSV	334°, 100%, 74%
XYZ	22.5093, 11.4280, 9.0021
YIQ	65.8590, 86.3220, 65.5700

Conversions

Conversions Part 2

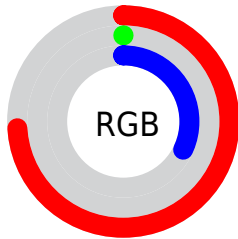
Format	Color
RYB	189, 0, 82
Decimal	12386386
CIELab	40.29, 66.71, 9.93
CIELCh	40, 67.442, 8.465
Yxy	11.4280, 0.5242, 0.2661
Android (android.graphics.Color)	4290576466 (0xFFBD0052)
YUV	65.8590, 7.9575, 107.9947
Hunter-Lab	33.8053, 59.6950, 7.8753

Details

The XYZ color **22.5093, 11.4280, 9.0021** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.8535, 37.4576, 20.0496**, and the grayscale version is **5.1379, 5.4055, 5.8865**.

A 20% lighter version of the original color is **47.0507, 28.4886, 24.4917**, and **9.2519, 4.7291, 2.2589** is the 20% darker color. If you saturate the color by 10%, you get **22.5086, 11.4277, 8.9985**, and if you desaturate by 10%, it is **23.1806, 12.0673, 11.3943**.

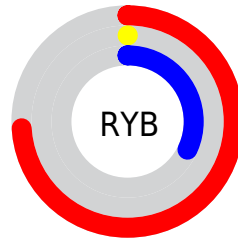
Distribution



Red (74%)

Green (0%)

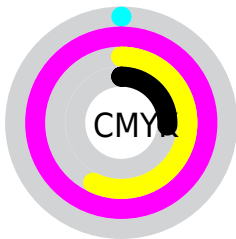
Blue (32%)



Red (74%)

Yellow (0%)

Blue (32%)

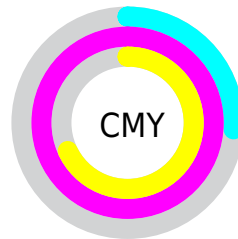


Cyan (0%)

Magenta (100%)

Yellow (57%)

Black (26%)



Cyan (26%)


Magenta (100%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5093, 11.4280, 9.0021 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 22.5093, 11.4280, 9.0021 by changing the saturation by 10% instead.


 22.5093, 11.4280,
9.0021


 22.5093, 11.4280,
9.0021

257.7772,
200.5808, 193.6122


 14.3503, 6.3555,
4.6457


 47.0589, 28.4489,
24.4786


 8.4480, 3.0624,
1.9859


 64.1803, 41.1662,
36.4358


 4.4371, 1.1644,
0.5466

 85.0198, 57.2004,
51.7637

 1.9523, 0.0323,
0.0000

 109.9428, 76.9361,
70.8808

 0.6070, 0.0000,
0.0000

 139.3147,
100.7575, 94.2056

 0.0000, 0.0000,
0.0000

 173.5009,

129.0492, 122.1568

212.8666,
162.1955, 155.1528

■ 22.5093, 11.4280,
9.0021

■ 22.5093, 11.4280,
9.0021

■ 22.5086, 11.4277,
8.9985

■ 23.1806, 12.0673,
11.3943

■ 24.1425, 13.1817,
14.2104

■ 25.4794, 14.9359,
17.4911

■ 27.2348, 17.4129,
21.2632

■ 29.4455, 20.6828,
25.5503

■ 32.1444, 24.8075,
30.3744

■ 35.3609, 29.8428,
35.7557

■ 39.1222, 35.8395,
41.7135

■ 43.4534, 42.8448,
48.2658

Harmonies

Analogous

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



21.6530, 11.4280, 24.6001



22.5093, 11.4280, 9.0021



19.6092, 11.4280, 2.2773

Triad

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



22.5093, 11.4280, 9.0021



6.1460, 11.4280, 1.1792



7.8649, 11.4280, 55.5283

Complementary

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



22.5093, 11.4280, 9.0021



20.8535, 37.4576, 20.0496

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.



5.2016, 11.4280, 36.5575



22.5093, 11.4280, 9.0021



4.4275, 11.4280, 5.1437

Square

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



22.5093, 11.4280, 9.0021



9.5825, 11.4280, 0.1931



4.1406, 11.4280, 16.6653



12.2505, 11.4280, 59.7745

Rectangle

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



22.5093, 11.4280, 9.0021



16.3212, 11.4280, 0.8381



4.1406, 11.4280, 16.6653



6.7801, 11.4280, 50.2310

Sweetspot

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



22.5096, 11.4287, 9.0023



63.0227, 52.9606, 63.5357



14.8904, 6.6157, 48.6362



13.0098, 10.5350, 12.7672



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.



22.5096, 11.4287, 9.0023



40.1977, 20.4210, 15.5096



21.0893, 11.0247, 1.0174



9.6974, 9.6032, 10.7954



15.1814, 7.7037, 6.2487



0.6275, 0.3149, 0.4178

Inverse Universe

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



22.5096, 11.4287, 9.0023



40.1977, 20.4210, 15.5096



25.4166, 36.1360, 53.7794



9.6974, 9.6032, 10.7954



15.1814, 7.7037, 6.2487



0.6275, 0.3149, 0.4178

Previews

White Background



This preview shows how the XYZ color 22.5093, 11.4280, 9.0021 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 22.5093, 11.4280, 9.0021 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 22.5093, 11.4280, 9.0021

Background



This preview shows how black text looks on a background with the XYZ color 22.5093, 11.4280, 9.0021.



This preview shows how white text looks on a background with the XYZ color 22.5093, 11.4280,

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

22.5093, 11.4280, 9.0021

Protanopia

12.0181, 12.1566, 19.1658

Deuteranopia

12.3090, 12.1447, 8.1740



Tritanopia

21.2981, 11.7568, 2.5133

Trichromacy



Original Color

22.5093, 11.4280, 9.0021

Protanomaly

13.0765, 8.9979, 14.6832

Deuteranomaly

14.1107, 9.5183, 8.1147

Tritanomaly

21.5829, 11.4580, 4.0917

Monochromacy



Original Color

22.5093, 11.4280, 9.0021

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.5532, 5.5033, 6.7423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5093, 11.4280, 9.0021 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 22.5093, 11.4280, 9.0021 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, 82) }
```


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

```
.border{ border-color:rgb(189, 0, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.5093, 11.4280, 9.0021 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, 82) }
```

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

```
.background{ background-color: rgb(189, 0,  
82) }
```

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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