

Converting Colors

XYZ(28.9331, 14.4499, 22.3939)

Have a look what the booklet for
XYZ(28.9331, 14.4499, 22.3939)
contains.

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Color

**XYZ(28.9311, 14.4491,
22.3832)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0082
RGB	204, 0, 130
RGB Percent	80%, 0%, 51%
CMY	0.2000, 0.9998, 0.4902
CMYK	0.00, 1.00, 0.36, 0.20
HSL	322°, 100%, 40%
HSV	322°, 100%, 80%
XYZ	28.9311, 14.4491, 22.3832
YIQ	75.8160, 79.8540, 83.6780

Conversions

Conversions Part 2

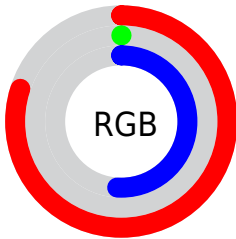
Format	Color
RYB	204, 0, 130
Decimal	13369474
CIELab	44.87, 73.97, -13.09
CIElCh	45, 75.118, 349.966
Yxy	14.4491, 0.4399, 0.2197
Android (android.graphics.Color)	4291559554 (0xFFCC0082)
YUV	75.8160, 26.7127, 112.4174
Hunter-Lab	38.0120, 69.3363, -8.3043

Details

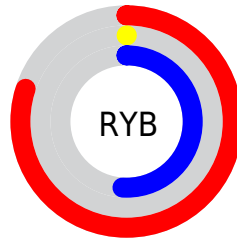
The XYZ color **28.9311, 14.4491, 22.3832** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.8307, 43.6809, 13.7134**, and the grayscale version is **6.7824, 7.1356, 7.7707**.

A 20% lighter version of the original color is **53.3596, 31.8237, 48.1300**, and **12.9868, 6.5234, 8.3592** is the 20% darker color. If you saturate the color by 10%, you get **28.9302, 14.4487, 22.3783**, and if you desaturate by 10%, it is **29.7040, 15.1710, 25.1810**.

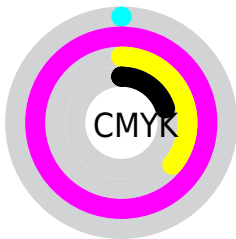
Distribution



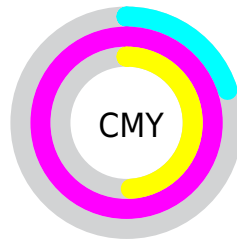
- Red (80%)
- Green (0%)
- Blue (51%)



- Red (80%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9311, 14.4491, 22.3832 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 28.9311, 14.4491, 22.3832 by changing the saturation by 10% instead.


 28.9311, 14.4491,
22.3832


 28.9311, 14.4491,
22.3832

288.8898,
220.0071, 277.5595


 19.1727, 8.4337,
13.9377


 57.3659, 33.8838,
48.2888


 11.8999, 4.3737,
7.9391


 76.7731, 48.0719,
66.5860


 6.7473, 1.8847,
3.9688


 100.1272, 65.7529,
89.0043

 3.3495, 0.5392,
1.6082

 127.7936, 87.3114,
115.9621

 1.3412, 0.0000,
0.2967

 160.1378,
113.1316, 147.8779

 0.2137, 0.0000,
0.0000

 197.5249,

 0.0000, 0.0000,

143.5981, 185.1704

0.0000

240.3205,
179.0951, 228.2581

■ 28.9311, 14.4491,
22.3832

■ 28.9311, 14.4491,
22.3832

■ 28.9302, 14.4487,
22.3783

■ 29.7040, 15.1710,
25.1810

■ 30.7849, 16.4504,
28.2612

■ 32.2676, 18.4741,
31.6588

■ 34.2027, 21.3419,
35.3939

■ 36.6327, 25.1380,
39.4841

■ 39.5953, 29.9364,
43.9449

■ 43.1240, 35.8035,
48.7909

■ 47.2497, 42.8000,
54.0354

■ 52.0011, 50.9820,
59.6907

Harmonies

Analogous

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



24.8894, 14.4491, 49.0028



28.9311, 14.4491, 22.3832



28.0712, 14.4491, 6.7869

Triad

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



28.9311, 14.4491, 22.3832



10.0866, 14.4491, 0.4726



7.4575, 14.4491, 58.3628

Complementary

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



28.9311, 14.4491, 22.3832



22.8307, 43.6809, 13.7134

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.



5.3624, 14.4491, 30.3168



28.9311, 14.4491, 22.3832



6.5370, 14.4491, 2.4717

Square

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



28.9311, 14.4491, 22.3832



15.8929, 14.4491, 0.2373



5.0850, 14.4491, 10.5501



11.7790, 14.4491, 77.9519

Rectangle

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



28.9311, 14.4491, 22.3832



24.9029, 14.4491, 2.4807



5.0850, 14.4491, 10.5501



6.5315, 14.4491, 48.9371

Sweetspot

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



28.9315, 14.4499, 22.3834



71.1590, 58.8597, 80.4609



13.5293, 5.7162, 57.5170



14.6751, 11.6693, 16.4737



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9315, 14.4499, 22.3834



47.8046, 23.8858, 36.4987



25.1448, 12.9352, 2.4426



11.5081, 11.3320, 13.2103



18.2550, 9.1126, 14.3274



0.9773, 0.4843, 0.9266

Inverse Universe

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



28.9315, 14.4499, 22.3834



47.8046, 23.8858, 36.4987



29.1755, 46.2188, 47.1248



11.5081, 11.3320, 13.2103



18.2550, 9.1126, 14.3274



0.9773, 0.4843, 0.9266

Previews

White Background



This preview shows how the XYZ color 28.9311, 14.4491, 22.3832 looks on a white background.

Color Contrast Check

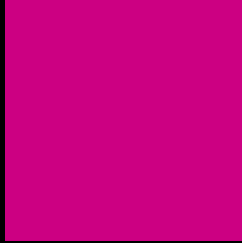
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9311, 14.4491, 22.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

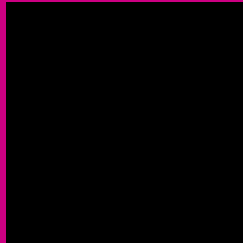
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.9311, 14.4491, 22.3832

Background



This preview shows how black text looks on a background with the XYZ color 28.9311, 14.4491, 22.3832.



This preview shows how white text looks on a background with the XYZ color 28.9311, 14.4491,

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

28.9311, 14.4491, 22.3832

Protanopia

16.7646, 15.2697, 48.5181

Deuteranopia

15.3128, 14.9943, 20.1763



Tritanopia

25.3796, 14.7668, 4.8808

Trichromacy



Original Color

28.9311, 14.4491, 22.3832



Protanomaly

16.7752, 10.8324, 37.2831



Deuteranomaly

17.4993, 11.5805, 20.3817



Tritanomaly

26.0891, 14.0446, 9.1204

Monochromacy



Original Color

28.9311, 14.4491, 22.3832



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3367, 7.1694, 11.8527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9311, 14.4491, 22.3832 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(204, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 130)  
}
```

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(204, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 28.9311, 14.4491, 22.3832 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(204, 0, 130) }
```


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

```
.border{ border-color:rgb(204, 0, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9311, 14.4491, 22.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 130) }
```

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

```
.background{ background-color: rgb(204, 0,  
130) }
```

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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