

Converting Colors

XYZ(27.6556, 13.7800, 22.8436)

Have a look what the booklet for
XYZ(27.6556, 13.7800, 22.8436)
contains.

XYZ(27.6499, 13.7808, 22.6754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6499, 13.7808,
22.6754)**

Conversions

Conversions Part 1

Format	Color
Hex	C70083
RGB	199, 0, 131
RGB Percent	78%, 0%, 51%
CMY	0.2196, 0.9999, 0.4863
CMYK	0.00, 1.00, 0.34, 0.22
HSL	321°, 100%, 39%
HSV	321°, 100%, 78%
XYZ	27.6499, 13.7808, 22.6754
YIQ	74.4350, 76.5530, 82.9290

Conversions

Conversions Part 2

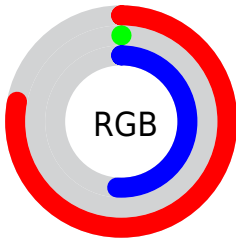
Format	Color
RYB	199, 0, 131
Decimal	13041795
CIELab	43.92, 73.04, -15.24
CIElCh	44, 74.611, 348.211
Yxy	13.7808, 0.4313, 0.2150
Android (android.graphics.Color)	4291231875 (0xFFC70083)
YUV	74.4350, 27.8865, 109.2435
Hunter-Lab	37.1225, 67.9875, -10.2301

Details

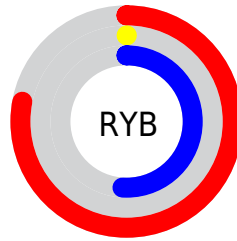
The XYZ color **27.6499, 13.7808, 22.6754** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **21.4683, 41.2648, 12.3078**, and the grayscale version is **6.5321, 6.8723, 7.4839**.

A 20% lighter version of the original color is **53.3815, 31.7001, 48.6526**, and **12.1705, 6.0982, 8.5183** is the 20% darker color. If you saturate the color by 10%, you get **27.6491, 13.7805, 22.6712**, and if you desaturate by 10%, it is **28.3753, 14.4694, 25.2668**.

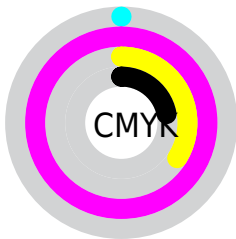
Distribution



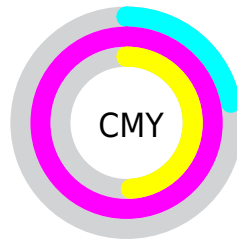
- Red (78%)
- Green (0%)
- Blue (51%)



- Red (78%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6499, 13.7808, 22.6754 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 27.6499, 13.7808, 22.6754 by changing the saturation by 10% instead.


 27.6499, 13.7808,
22.6754

 27.6499, 13.7808,
22.6754


282.9007,
215.8629, 279.1211

 18.2010, 7.9684,
14.1510


 55.3376, 32.6996,
48.7762

 11.1950, 4.0747,
8.0858


 74.3071, 46.5747,
67.1896


 6.2664, 1.7154,
4.0613


 97.1808, 63.9062,
89.7365

 3.0499, 0.4336,
1.6591

 124.3242, 85.0785,
116.8353

 1.1802, 0.0000,
0.3324

 156.1025,
110.4759, 148.9047

 0.0907, 0.0000,
0.0000

 192.8811,

 0.0000, 0.0000,

140.4828, 186.3630

0.0000

235.0254,
175.4837, 229.6290

■ 27.6499, 13.7808,
22.6754

■ 27.6499, 13.7808,
22.6754

■ 27.6491, 13.7805,
22.6712

■ 28.3753, 14.4694,
25.2668

■ 29.3867, 15.6807,
28.1055

■ 30.7740, 17.5937,
31.2243

■ 32.5844, 20.3018,
34.6416

■ 34.8580, 23.8844,
38.3732

■ 37.6298, 28.4107,
42.4333

■ 40.9315, 33.9434,
46.8349

■ 44.7921, 40.5394,
51.5901

■ 49.2382, 48.2516,
56.7101

Harmonies

Analogous

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



23.5166, 13.7808, 48.7703



27.6499, 13.7808, 22.6754



27.1117, 13.7808, 6.9652

Triad

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



27.6499, 13.7808, 22.6754



9.8611, 13.7808, 0.3387



6.8963, 13.7808, 54.6432

Complementary

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



27.6499, 13.7808, 22.6754



21.4683, 41.2648, 12.3078

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.



5.0033, 13.7808, 27.6316



27.6499, 13.7808, 22.6754



6.3263, 13.7808, 2.0941

Square

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



27.6499, 13.7808, 22.6754



15.5571, 13.7808, 0.1875



4.8320, 13.7808, 9.2947



10.9132, 13.7808, 74.6350

Rectangle

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



27.6499, 13.7808, 22.6754



24.1959, 13.7808, 2.5409



4.8320, 13.7808, 9.2947



6.0500, 13.7808, 45.4380

Sweetspot

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



27.6503, 13.7816, 22.6756



71.3827, 58.9492, 81.6386



12.5801, 5.2950, 54.3918



14.7285, 11.6906, 16.7549



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.



27.6503, 13.7816, 22.6756



48.2939, 24.0815, 39.0751



23.8308, 12.2538, 2.5625



10.9231, 10.7526, 12.5784



17.8214, 8.8781, 14.8014



0.8768, 0.4336, 0.8745

Inverse Universe

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



27.6503, 13.7816, 22.6756



48.2939, 24.0815, 39.0751



27.2920, 43.5943, 42.9752



10.9231, 10.7526, 12.5784



17.8214, 8.8781, 14.8014



0.8768, 0.4336, 0.8745

Previews

White Background



This preview shows how the XYZ color 27.6499, 13.7808, 22.6754 looks on a white background.

Color Contrast Check

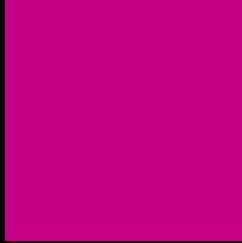
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6499, 13.7808, 22.6754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

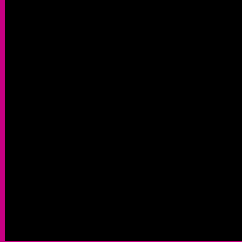
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.6499, 13.7808, 22.6754

Background



This preview shows how black text looks on a background with the XYZ color 27.6499, 13.7808, 22.6754.



This preview shows how white text looks on a background with the XYZ color 27.6499, 13.7808,

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

27.6499, 13.7808, 22.6754

Protanopia

16.1346, 14.4816, 48.9586

Deuteranopia

14.6698, 14.3568, 20.4103



Tritanopia

24.1420, 14.1917, 4.9569

Trichromacy



Original Color

27.6499, 13.7808, 22.6754



Protanomaly

15.9935, 10.3313, 37.7104



Deuteranomaly

16.8052, 11.1279, 20.6642



Tritanomaly

24.8318, 13.4327, 9.2666

Monochromacy



Original Color

27.6499, 13.7808, 22.6754



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.6898, 6.7812, 11.5720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6499, 13.7808, 22.6754 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(199, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 131)  
}
```

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(199, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 131) }
```

Border

The CSS property to change the border of an element to XYZ 27.6499, 13.7808, 22.6754 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(199, 0, 131) }
```


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

```
.border{ border-color:rgb(199, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6499, 13.7808, 22.6754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 131) }
```

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

```
.background{ background-color: rgb(199, 0,  
131) }
```

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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