

Converting Colors

XYZ(27.1612, 13.2802, 33.8868)

Have a look what the booklet for
XYZ(27.1612, 13.2802, 33.8868)
contains.

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Color

**XYZ(27.2443, 13.3220,
33.9364)**

Conversions

Conversions Part 1

Format	Color
Hex	BD009F
RGB	189, 0, 159
RGB Percent	74%, 0%, 62%
CMY	0.2588, 0.9999, 0.3765
CMYK	0.00, 1.00, 0.16, 0.26
HSL	310°, 100%, 37%
HSV	310°, 100%, 74%
XYZ	27.2443, 13.3220, 33.9364
YIQ	74.6370, 61.6050, 89.5170

Conversions

Conversions Part 2

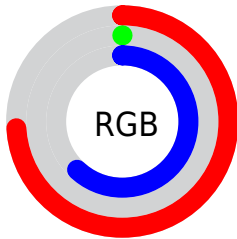
Format	Color
RYB	189, 0, 159
Decimal	12386463
CIELab	43.24, 74.31, -33.46
CIELCh	43, 81.492, 335.761
Yxy	13.3220, 0.3657, 0.1788
Android (android.graphics.Color)	4290576543 (0xFFBD009F)
YUV	74.6370, 41.5910, 100.2964
Hunter-Lab	36.4993, 69.3645, -29.5772

Details

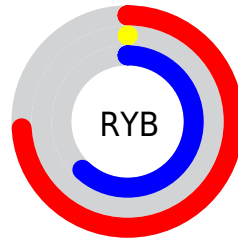
The XYZ color **27.2443, 13.3220, 33.9364** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.4328, 36.4896, 7.3017**, and the grayscale version is **6.5453, 6.8862, 7.4991**.

A 20% lighter version of the original color is **54.6127, 31.8112, 66.8801**, and **12.0139, 5.8868, 14.4130** is the 20% darker color. If you saturate the color by 10%, you get **27.2442, 13.3220, 33.9347**, and if you desaturate by 10%, it is **27.7397, 13.8908, 35.4020**.

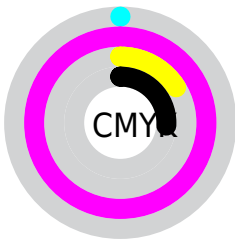
Distribution



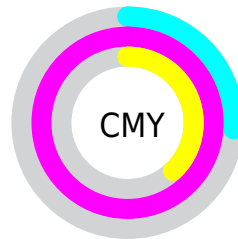
- Red (74%)
- Green (0%)
- Blue (62%)



- Red (74%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2443, 13.3220, 33.9364 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 27.2443, 13.3220, 33.9364 by changing the saturation by 10% instead.

 27.2443, 13.3220,
33.9364


 27.2443, 13.3220,
33.9364


280.9841,
212.9711, 334.6089


 17.8943, 7.6507,
22.5678


 54.6928, 31.8811,
66.9675


 10.9734, 3.8722,
14.0724


 73.5220, 45.5376,
89.4671


 6.1161, 1.6023,
8.0317


 96.2416, 62.6246,
116.5141

 2.9571, 0.3592,
4.0272

 123.2171, 83.5265,
148.5270

 1.1311, 0.0000,
1.6403

 154.8137,
108.6277, 185.9244

 0.0509, 0.0000,
0.3193

 191.3968,

 0.0000, 0.0000,

138.3127, 229.1248

0.0000

233.3318,
172.9657, 278.5468

■ 27.2443, 13.3220,
33.9364

■ 27.2443, 13.3220,
33.9364

■ 27.2442, 13.3220,
33.9347

■ 27.7397, 13.8908,
35.4020

■ 28.4657, 14.9107,
36.9757

■ 29.5041, 16.5453,
38.6852

■ 30.8961, 18.8767,
40.5443

■ 32.6763, 21.9742,
42.5649

■ 34.8753, 25.8988,
44.7574

■ 37.5206, 30.7054,
47.1311

■ 40.6371, 36.4440,
49.6945

■ 44.2482, 43.1610,
52.4556

Harmonies

Analogous

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



21.1499, 13.3220, 64.8512



27.2443, 13.3220, 33.9364



28.9581, 13.3220, 11.2921

Triad

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



27.2443, 13.3220, 33.9364



11.4839, 13.3220, 0.0000



5.1528, 13.3220, 45.7244

Complementary

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



27.2443, 13.3220, 33.9364



18.4328, 36.4896, 7.3017

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.



4.0253, 13.3220, 18.2769



27.2443, 13.3220, 33.9364



6.8169, 13.3220, 0.5895

Square

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



27.2443, 13.3220, 33.9364



18.3194, 13.3220, 0.0176



4.5130, 13.3220, 4.4110



8.3090, 13.3220, 74.7762

Rectangle

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



27.2443, 13.3220, 33.9364



27.0181, 13.3220, 4.0437



4.5130, 13.3220, 4.4110



4.5818, 13.3220, 35.4310

Sweetspot

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



27.2448, 13.3227, 33.9366



66.9456, 54.5298, 84.1935



9.6748, 3.9269, 48.3926



13.9490, 10.9106, 17.7128



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.



27.2448, 13.3227, 33.9366



48.7194, 23.8297, 60.3844



21.9750, 11.2148, 6.1865



9.8631, 9.6695, 11.6682



18.3540, 8.9727, 22.9553



0.7367, 0.3586, 0.9926

Inverse Universe

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



27.2448, 13.3227, 33.9366



48.7194, 23.8297, 60.3844



21.7644, 37.8222, 24.8461



9.8631, 9.6695, 11.6682



18.3540, 8.9727, 22.9553



0.7367, 0.3586, 0.9926

Previews

White Background



This preview shows how the XYZ color 27.2443, 13.3220, 33.9364 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 27.2443, 13.3220, 33.9364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

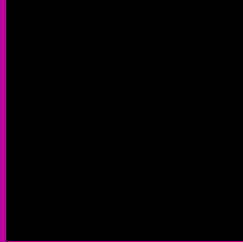
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2443, 13.3220, 33.9364

Background



This preview shows how black text looks on a background with the XYZ color 27.2443, 13.3220, 33.9364.



This preview shows how white text looks on a background with the XYZ color 27.2443, 13.3220,

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

27.2443, 13.3220, 33.9364

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.2055, 13.8967, 30.3674



Tritanopia

21.8169, 13.7721, 6.6627

Trichromacy



Original Color

27.2443, 13.3220, 33.9364



Protanomaly

14.0252, 8.8270, 52.0035



Deuteranomaly

16.0102, 10.4814, 31.3163



Tritanomaly

22.8262, 12.6280, 13.2910

Monochromacy



Original Color

27.2443, 13.3220, 33.9364



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.8609, 6.8675, 14.3888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2443, 13.3220, 33.9364 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 159) }
```

Border

The CSS property to change the border of an element to XYZ 27.2443, 13.3220, 33.9364 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, 159) }
```


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

```
.border{ border-color:rgb(189, 0, 159) }
```

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, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2443, 13.3220, 33.9364 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, 159) }
```

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

```
.background{ background-color: rgb(189, 0,  
159) }
```

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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