

Converting Colors

XYZ(27.0187, 13.2232, 33.1368)

Have a look what the booklet for
XYZ(27.0187, 13.2232, 33.1368)
contains.

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Color

**XYZ(27.0721, 13.2531,
33.0295)**

Conversions

Conversions Part 1

Format	Color
Hex	BD009D
RGB	189, 0, 157
RGB Percent	74%, 0%, 62%
CMY	0.2588, 0.9999, 0.3843
CMYK	0.00, 1.00, 0.17, 0.26
HSL	310°, 100%, 37%
HSV	310°, 100%, 74%
XYZ	27.0721, 13.2531, 33.0295
YIQ	74.4090, 62.2470, 88.8950

Conversions

Conversions Part 2

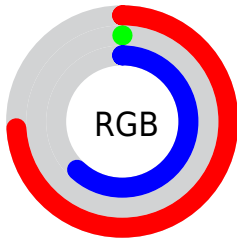
Format	Color
R_{YB}	189, 0, 157
Decimal	12386461
CIE _{Lab}	43.14, 74.05, -32.41
CIE _{LCh}	43, 80.836, 336.361
Yxy	13.2531, 0.3691, 0.1807
Android (android.graphics.Color)	4290576541 (0xFFBD009D)
YUV	74.4090, 40.7174, 100.4963
Hunter-Lab	36.4048, 69.0315, -28.3095

Details

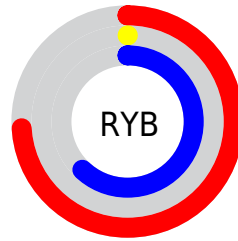
The XYZ color **27.0721, 13.2531, 33.0295** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **18.4591, 36.5002, 7.4406**, and the grayscale version is **6.5061, 6.8449, 7.4541**.

A 20% lighter version of the original color is **54.3588, 31.7096, 65.5429**, and **11.9099, 5.8452, 13.8651** is the 20% darker color. If you saturate the color by 10%, you get **27.0720, 13.2531, 33.0278**, and if you desaturate by 10%, it is **27.5808, 13.8272, 34.5651**.

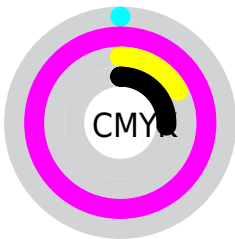
Distribution



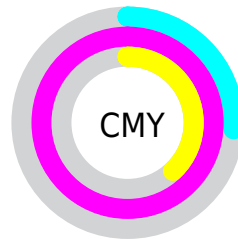
- Red (74%)
- Green (0%)
- Blue (62%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (26%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0721, 13.2531, 33.0295 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 27.0721, 13.2531, 33.0295 by changing the saturation by 10% instead.

■ 27.0721, 13.2531,
33.0295

■ 27.0721, 13.2531,
33.0295

280.1672,
212.5334, 330.4187

■ 17.7642, 7.6031,
21.8777

■ 54.4186, 31.7577,
65.5381

■ 10.8795, 3.8420,
13.5696

■ 73.1880, 45.3811,
87.7321

■ 6.0526, 1.5856,
7.6866

■ 95.8419, 62.4311,
114.4438

■ 2.9180, 0.3479,
3.8102

■ 122.7457, 83.2921,
146.0919

■ 1.1106, 0.0000,
1.5218

■ 154.2648,
108.3484, 183.0950

■ 0.0339, 0.0000,
0.2341

■ 190.7645,

■ 0.0000, 0.0000,

137.9844, 225.8714

0.0000

232.6102,
172.5847, 274.8398

■ 27.0721, 13.2531,
33.0295

■ 27.0721, 13.2531,
33.0295

■ 27.0720, 13.2531,
33.0278

■ 27.5808, 13.8272,
34.5651

■ 28.3209, 14.8527,
36.2133

■ 29.3743, 16.4933,
38.0018

■ 30.7821, 18.8310,
39.9445

■ 32.5791, 21.9352,
42.0533

■ 34.7957, 25.8668,
44.3386

■ 37.4594, 30.6807,
46.8098

■ 40.5954, 36.4270,
49.4755

■ 44.2268, 43.1521,
52.3437

Harmonies

Analogous

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



21.1205, 13.2531, 63.4660



27.0721, 13.2531, 33.0295



28.6537, 13.2531, 10.9524

Triad

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



27.0721, 13.2531, 33.0295



11.3152, 13.2531, 0.0000



5.2011, 13.2531, 45.8380

Complementary

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



27.0721, 13.2531, 33.0295



18.4591, 36.5002, 7.4406

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.



4.0462, 13.2531, 18.5761



27.0721, 13.2531, 33.0295



6.7441, 13.2531, 0.6492

Square

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



27.0721, 13.2531, 33.0295



18.0386, 13.2531, 0.0231



4.4991, 13.2531, 4.5800



8.3767, 13.2531, 74.2290

Rectangle

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



27.0721, 13.2531, 33.0295



26.6735, 13.2531, 3.9265



4.4991, 13.2531, 4.5800



4.6213, 13.2531, 35.6620

Sweetspot

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



27.0726, 13.2538, 33.0297



66.8347, 54.4854, 83.6094



9.7665, 3.9741, 48.3970



13.9221, 10.8999, 17.5712



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.



27.0726, 13.2538, 33.0297



48.4073, 23.7049, 58.7407



21.8844, 11.1785, 5.7093



9.8587, 9.6678, 11.6450



18.2392, 8.9268, 22.3512



0.7331, 0.3571, 0.9738

Inverse Universe

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



27.0726, 13.2538, 33.0297



48.4073, 23.7049, 58.7407



21.9645, 37.9023, 25.8998



9.8587, 9.6678, 11.6450



18.2392, 8.9268, 22.3512



0.7331, 0.3571, 0.9738

Previews

White Background



This preview shows how the XYZ color 27.0721, 13.2531, 33.0295 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

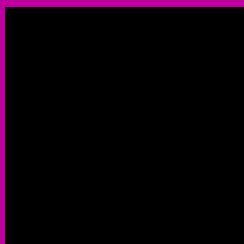
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0721, 13.2531, 33.0295

Background



This preview shows how black text looks on a background with the XYZ color 27.0721, 13.2531, 33.0295.



This preview shows how white text looks on a background with the XYZ color 27.0721, 13.2531,

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

27.0721, 13.2531, 33.0295

Protanopia

16.6948, 13.9694, 65.4348

Deuteranopia

14.2365, 13.9309, 29.5424



Tritanopia

21.7328, 13.6507, 6.4904

Trichromacy



Original Color

27.0721, 13.2531, 33.0295



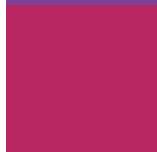
Protanomaly

13.9133, 8.7823, 51.4139



Deuteranomaly

15.9916, 10.4908, 30.4602



Tritanomaly

22.6973, 12.5232, 12.7762

Monochromacy



Original Color

27.0721, 13.2531, 33.0295



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7177, 6.7455, 13.8338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0721, 13.2531, 33.0295 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(189, 0, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 27.0721, 13.2531, 33.0295 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, 157) }
```


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

```
.border{ border-color:rgb(189, 0, 157) }
```

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, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(189, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0721, 13.2531, 33.0295 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, 157) }
```

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

```
.background{ background-color: rgb(189, 0,  
157) }
```

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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