

Converting Colors

XYZ(27.1833, 12.9243, 50.4967)

Have a look what the booklet for
XYZ(27.1833, 12.9243, 50.4967)
contains.

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Color

**XYZ(27.0832, 12.8755,
50.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	AF00BF
RGB	175, 0, 191
RGB Percent	69%, 0%, 75%
CMY	0.3137, 0.9999, 0.2510
CMYK	0.08, 1.00, 0.00, 0.25
HSL	295°, 100%, 37%
HSV	295°, 100%, 75%
XYZ	27.0832, 12.8755, 50.3480
YIQ	74.0990, 42.9890, 96.5010

Conversions

Conversions Part 2

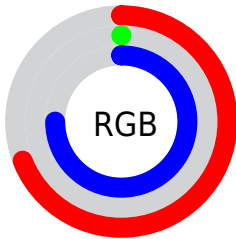
Format	Color
R_{YB}	175, 0, 191
Decimal	11468991
CIE _{Lab}	42.58, 76.54, -53.67
CIE _{LCh}	43, 93.481, 324.965
Yxy	12.8755, 0.2999, 0.1426
Android (android.graphics.Color)	4289659071 (0xFFAF00BF)
YUV	74.0990, 57.6322, 88.4902
Hunter-Lab	35.8824, 71.9332, -58.0743

Details

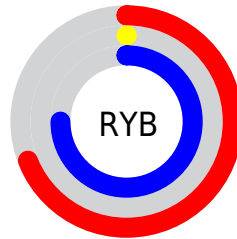
The XYZ color **27.0832, 12.8755, 50.3480** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.8448, 37.3720, 6.2207**, and the grayscale version is **6.4237, 6.7582, 7.3597**.

A 20% lighter version of the original color is **54.5320, 31.0951, 91.9347**, and **11.8515, 5.5881, 24.1209** is the 20% darker color. If you saturate the color by 10%, you get **27.0834, 12.8757, 50.3482**, and if you desaturate by 10%, it is **27.6797, 13.5316, 50.4434**.

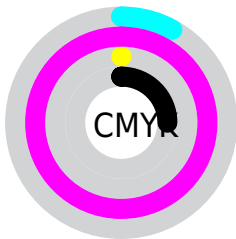
Distribution



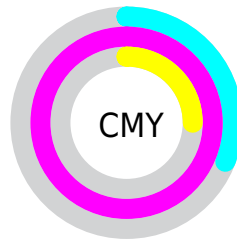
- Red (69%)
- Green (0%)
- Blue (75%)



- Red (69%)
- Yellow (0%)
- Blue (75%)



- Cyan (8%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (31%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0832, 12.8755, 50.3480 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 27.0832, 12.8755, 50.3480 by changing the saturation by 10% instead.

■ 27.0832, 12.8755,
50.3480

■ 27.0832, 12.8755,
50.3480

280.2199,
210.1182, 404.7993

■ 17.7726, 7.3429,
35.3169

■ 54.4363, 31.0799,
92.0919

■ 10.8856, 3.6774,
23.6216

■ 73.2095, 44.5205,
119.6417

■ 6.0567, 1.4948,
14.8435

■ 95.8677, 61.3659,
152.2015

■ 2.9206, 0.2851,
8.5642

■ 122.7761, 82.0004,
190.1899

■ 1.1119, 0.0000,
4.3652

■ 154.3002,
106.8085, 234.0253

■ 0.0350, 0.0000,
1.8277

■ 190.8053,

■ 0.0000, 0.0000,

136.1746, 284.1263

0.4462

232.6568,
170.4830, 340.9114

■ 0.0000, 0.0000,
0.0000

■ 27.0832, 12.8755,
50.3480

■ 27.0832, 12.8755,
50.3480

■ 27.0834, 12.8757,
50.3482

■ 27.6797, 13.5316,
50.4434

■ 28.5104, 14.6504,
50.6156

■ 29.6589, 16.3984,
50.8924

■ 31.1674, 18.8600,
51.2881

■ 33.0714, 22.1063,
51.8143

■ 35.4023, 26.1998,
52.4816

■ 38.1882, 31.1970,
53.2993

■ 41.4549, 37.1491,
54.2760

■ 45.2260, 44.1039,
55.4196

Harmonies

Analogous

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



18.9182, 12.8755, 87.2123



27.0832, 12.8755, 50.3480



31.3868, 12.8755, 17.7212

Triad

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



27.0832, 12.8755, 50.3480



13.4700, 12.8755, 0.0000



3.5882, 12.8755, 37.7051

Complementary

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



27.0832, 12.8755, 50.3480



18.8448, 37.3720, 6.2207

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.



3.0772, 12.8755, 10.8724



27.0832, 12.8755, 50.3480



7.3504, 12.8755, 0.0000

Square

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



27.0832, 12.8755, 50.3480



21.8177, 12.8755, 0.0000



4.1409, 12.8755, 1.4426



5.9753, 12.8755, 76.1578

Rectangle

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



27.0832, 12.8755, 50.3480



30.6275, 12.8755, 6.1779



4.1409, 12.8755, 1.4426



3.2428, 12.8755, 26.6662

Sweetspot

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



27.0838, 12.8761, 50.3483



68.1354, 55.4042, 95.3821



9.6389, 4.2312, 49.5991



14.4755, 11.2901, 20.8016



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.0838, 12.8761, 50.3483



48.4046, 23.0079, 90.1689



24.5579, 12.3054, 17.1817



9.8490, 9.6545, 12.0166



17.8319, 8.4788, 33.0896



0.7220, 0.3442, 1.2972

Inverse Universe

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



21.5797, 11.1141, 1.4985



38.6141, 19.8910, 2.5001



19.9498, 37.7893, 13.1547



9.5617, 9.5490, 10.0812



14.1945, 7.3089, 1.0517



0.5671, 0.2908, 0.0998

Previews

White Background



This preview shows how the XYZ color 27.0832, 12.8755, 50.3480 looks on a white background.

Color Contrast Check

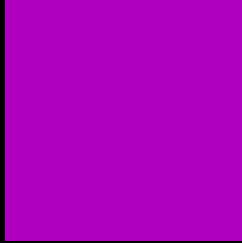
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0832, 12.8755, 50.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

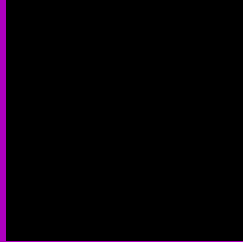
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0832, 12.8755, 50.3480

Background



This preview shows how black text looks on a background with the XYZ color 27.0832, 12.8755, 50.3480.



This preview shows how white text looks on a background with the XYZ color 27.0832, 12.8755,

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

27.0832, 12.8755, 50.3480

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.9879, 13.6080, 45.0694



Tritanopia

18.8643, 13.2927, 9.1609

Trichromacy



Original Color

27.0832, 12.8755, 50.3480



Protanomaly

14.5525, 8.9093, 56.8298



Deuteranomaly

14.6244, 9.4318, 46.3971



Tritanomaly

20.3835, 11.6855, 18.9505

Monochromacy



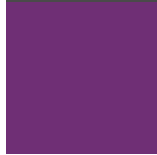
Original Color

27.0832, 12.8755, 50.3480



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

10.7829, 6.6969, 17.5539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0832, 12.8755, 50.3480 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(175, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 191)  
}
```

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(175, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 27.0832, 12.8755, 50.3480 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(175, 0, 191) }
```


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

```
.border{ border-color:rgb(175, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0832, 12.8755, 50.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 191) }
```

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

```
.background{ background-color: rgb(175, 0,  
191) }
```

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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