

Converting Colors

XYZ(27.8587, 13.4869, 40.8259)

Have a look what the booklet for
XYZ(27.8587, 13.4869, 40.8259)
contains.

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Color

**XYZ(27.7925, 13.4562,
40.6676)**

Conversions

Conversions Part 1

Format	Color
Hex	BA00AD
RGB	186, 0, 173
RGB Percent	73%, 0%, 68%
CMY	0.2706, 0.9999, 0.3216
CMYK	0.00, 1.00, 0.07, 0.27
HSL	304°, 100%, 36%
HSV	304°, 100%, 73%
XYZ	27.7925, 13.4562, 40.6676
YIQ	75.3360, 55.3230, 93.2350

Conversions

Conversions Part 2

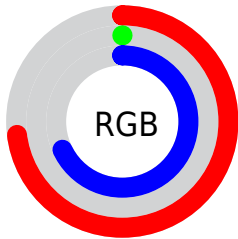
Format	Color
RYB	186, 0, 173
Decimal	12189869
CIELab	43.44, 75.65, -41.54
CIELCh	43, 86.307, 331.226
Yxy	13.4562, 0.3393, 0.1643
Android (android.graphics.Color)	4290379949 (0xFFBA00AD)
YUV	75.3360, 48.1484, 97.0523
Hunter-Lab	36.6827, 71.0451, -40.0529

Details

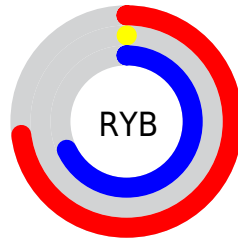
The XYZ color **27.7925, 13.4562, 40.6676** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.6322, 35.1475, 6.2364**, and the grayscale version is **6.6596, 7.0064, 7.6300**.

A 20% lighter version of the original color is **55.5571, 32.0664, 77.3900**, and **12.2923, 5.9453, 18.2690** is the 20% darker color. If you saturate the color by 10%, you get **27.7926, 13.4563, 40.6670**, and if you desaturate by 10%, it is **28.1458, 13.9600, 41.4093**.

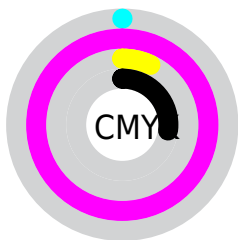
Distribution



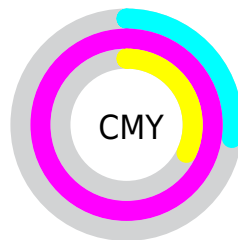
- Red (73%)
- Green (0%)
- Blue (68%)



- Red (73%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7925, 13.4562, 40.6676 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 27.7925, 13.4562, 40.6676 by changing the saturation by 10% instead.


 27.7925, 13.4562,
40.6676

 27.7925, 13.4562,
40.6676


283.5722,
213.8211, 364.5648


 18.3090, 7.7434,
27.7417


 55.5640, 32.1210,
77.4272


 11.2731, 3.9312,
17.8937


 74.5826, 45.8418,
102.0980


 6.3195, 1.6352,
10.7050


 97.5103, 63.0007,
131.5209

 3.0828, 0.3811,
5.7572

 124.7124, 83.9821,
166.1143

 1.1977, 0.0000,
2.6316

 156.5543,
109.1705, 206.2969

 0.1045, 0.0000,
0.9087

 193.4013,

 0.0000, 0.0000,

138.9502, 252.4872

0.0000

235.6188,
173.7056, 305.1036

■ 27.7925, 13.4562,
40.6676

■ 27.7925, 13.4562,
40.6676

■ 27.7926, 13.4563,
40.6670

■ 28.1458, 13.9600,
41.4093

■ 28.7155, 14.8951,
42.2290

■ 29.5815, 16.4208,
43.1536

■ 30.7832, 18.6159,
44.1962

■ 32.3538, 21.5470,
45.3679

■ 34.3228, 25.2727,
46.6785

■ 36.7163, 29.8456,
48.1368

■ 39.5586, 35.3140,
49.7508

■ 42.8719, 41.7224,
51.5280

Harmonies

Analogous

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



20.7281, 13.4562, 74.5697



27.7925, 13.4562, 40.6676



30.5515, 13.4562, 13.8739

Triad

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



27.7925, 13.4562, 40.6676



12.5152, 13.4562, 0.0000



4.6154, 13.4562, 43.4370

Complementary

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



27.7925, 13.4562, 40.6676



17.6322, 35.1475, 6.2364

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.



3.7312, 13.4562, 15.4577



27.7925, 13.4562, 40.6676



7.1914, 13.4562, 0.0767

Square

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



27.7925, 13.4562, 40.6676



20.0744, 13.4562, 0.0000



4.4767, 13.4562, 3.0806



7.5226, 13.4562, 76.9372

Rectangle

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



27.7925, 13.4562, 40.6676



29.0165, 13.4562, 4.9210



4.4767, 13.4562, 3.0806



4.1289, 13.4562, 32.5536

Sweetspot

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



27.7930, 13.4569, 40.6679



66.3099, 53.6362, 87.1087



9.0209, 3.6269, 46.6795



14.1801, 11.0031, 18.9300



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.



27.7930, 13.4569, 40.6679



50.3375, 24.3750, 73.5119



21.7209, 11.0280, 8.6926



9.3531, 9.1516, 11.2068



18.7093, 9.0575, 27.4196



0.6677, 0.3226, 1.0096

Inverse Universe

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



27.7930, 13.4569, 40.6679



50.3375, 24.3750, 73.5119



20.1303, 36.1467, 19.3915



9.3531, 9.1516, 11.2068



18.7093, 9.0575, 27.4196



0.6677, 0.3226, 1.0096

Previews

White Background



This preview shows how the XYZ color 27.7925, 13.4562, 40.6676 looks on a white background.

Color Contrast Check

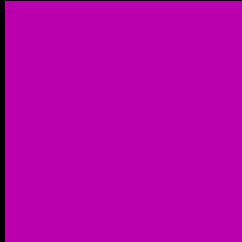
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7925, 13.4562, 40.6676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

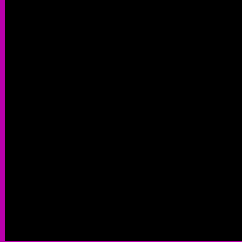
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7925, 13.4562, 40.6676

Background



This preview shows how black text looks on a background with the XYZ color 27.7925, 13.4562, 40.6676.



This preview shows how white text looks on a background with the XYZ color 27.7925, 13.4562,

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

27.7925, 13.4562, 40.6676

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.4748, 14.2076, 36.1619



Tritanopia

21.1413, 13.8322, 7.6865

Trichromacy



Original Color

27.7925, 13.4562, 40.6676



Protanomaly

14.5261, 9.0193, 55.0081



Deuteranomaly

15.9603, 10.4123, 37.2450



Tritanomaly

22.4466, 12.5352, 15.7045

Monochromacy



Original Color

27.7925, 13.4562, 40.6676



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.9964, 6.9064, 15.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7925, 13.4562, 40.6676 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(186, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 173)  
}
```

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(186, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 27.7925, 13.4562, 40.6676 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(186, 0, 173) }
```


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

```
.border{ border-color:rgb(186, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(186, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7925, 13.4562, 40.6676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 173) }
```

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

```
.background{ background-color: rgb(186, 0,  
173) }
```

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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