

Converting Colors

XYZ(33.3873, 27.8011, 43.1008)

Have a look what the booklet for
XYZ(33.3873, 27.8011, 43.1008)
contains.

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Color

**XYZ(33.3935, 27.8026,
43.1416)**

Conversions

Conversions Part 1

Format	Color
Hex	B180AD
RGB	177, 128, 173
RGB Percent	69%, 50%, 68%
CMY	0.3059, 0.4980, 0.3216
CMYK	0.00, 0.28, 0.02, 0.31
HSL	305°, 24%, 60%
HSV	305°, 28%, 69%
XYZ	33.3935, 27.8026, 43.1416
YIQ	147.7810, 14.7590, 24.3830

Conversions

Conversions Part 2

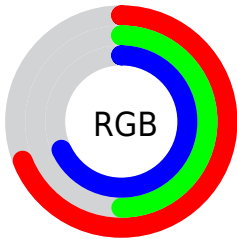
Format	Color
RYB	177, 128, 173
Decimal	11632813
CIELab	59.71, 26.48, -16.36
CIELCh	60, 31.124, 328.286
Yxy	27.8026, 0.3201, 0.2665
Android (android.graphics.Color)	4289822893 (0xFFB180AD)
YUV	147.7810, 12.4330, 25.6251
Hunter-Lab	52.7282, 20.7723, -11.6007

Details

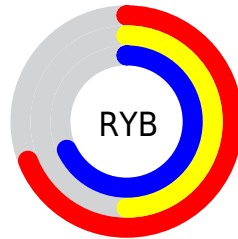
The XYZ color **33.3935, 27.8026, 43.1416** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.7903, 37.7004, 27.5909**, and the grayscale version is **28.0034, 29.4618, 32.0839**.

A 20% lighter version of the original color is **64.2710, 56.0285, 81.5559**, and **14.4878, 11.1143, 19.4709** is the 20% darker color. If you saturate the color by 10%, you get **31.1443, 23.5263, 41.7059**, and if you desaturate by 10%, it is **36.0486, 32.8874, 44.7207**.

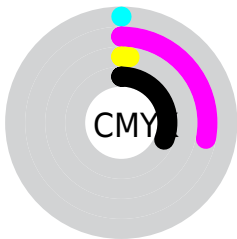
Distribution



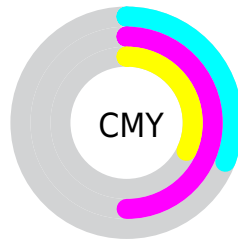
- Red (69%)
- Green (50%)
- Blue (68%)



- Red (69%)
- Yellow (50%)
- Blue (68%)



- Cyan (0%)
- Magenta (28%)
- Yellow (2%)
- Black (31%)



- Cyan (31%)
- Magenta (50%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3935, 27.8026, 43.1416 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 33.3935, 27.8026, 43.1416 by changing the saturation by 10% instead.

33.3935, 27.8026,
43.1416

33.3935, 27.8026,
43.1416

309.0529,
291.5225, 375.1321

22.5887, 18.1769,
29.6640

64.3400, 56.1691,
81.2131

14.4092, 11.0771,
19.3338

85.2124, 75.6788,
106.6442

8.4894, 6.1187,
11.7325

110.1714, 99.2518,
136.8968

4.4641, 2.9174,
6.4415

139.5824,
127.2727, 172.3895

1.9679, 1.0888,
3.0422

173.8106,
160.1258, 213.5408

0.6158, 0.0000,
1.1162

213.2216,

0.0000, 0.0000,

198.1956, 260.7693

0.0000

258.1805,
241.8663, 314.4936

■ 33.3935, 27.8026,
43.1416

■ 33.3935, 27.8026,
43.1416

■ 31.1443, 23.5263,
41.7059

■ 36.0486, 32.8874,
44.7207

■ 29.2776, 20.0131,
40.4049

■ 39.1266, 38.8157,
46.4478

■ 27.7714, 17.2184,
39.2314

■ 42.6463, 45.6253,
48.3298

■ 26.6004, 15.0919,
38.1771

■ 46.6248, 53.3501,
50.3722

■ 25.7362, 13.5765,
37.2324

■ 51.0784, 62.0225,
52.5806

■ 25.1456, 12.6059,
36.3863

■ 56.0225, 71.6734,
54.9600

■ 24.7768, 12.0765,
35.6214

■ 61.4717, 82.3321,
57.5153

■ 24.7023, 11.9755,
35.4488

■ 62.6025, 84.3516,
58.6389

■ 62.7554, 84.4127,
59.4441

Harmonies

Analogous

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



30.1729, 27.8026, 53.6245



33.3935, 27.8026, 43.1416



34.7265, 27.8026, 30.9245

Triad

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



33.3935, 27.8026, 43.1416



26.6523, 27.8026, 13.3767



20.3110, 27.8026, 41.7368

Complementary

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



33.3935, 27.8026, 43.1416



28.7903, 37.7004, 27.5909

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.



19.5655, 27.8026, 29.6294



33.3935, 27.8026, 43.1416



23.0021, 27.8026, 14.9275

Square

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



33.3935, 27.8026, 43.1416



30.6027, 27.8026, 15.3353



20.5013, 27.8026, 20.2565



22.6469, 27.8026, 52.6820

Rectangle

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



33.3935, 27.8026, 43.1416



34.2744, 27.8026, 23.9736



20.5013, 27.8026, 20.2565



19.8769, 27.8026, 37.5876

Sweetspot

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



33.3944, 27.8038, 43.1422



69.8057, 69.0000, 83.0387



25.0577, 23.4607, 44.8033



14.9417, 14.5939, 17.8933



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.3944, 27.8038, 43.1422



57.3517, 45.1189, 75.7221



31.2951, 26.9641, 32.0879



8.8195, 8.6345, 10.5479



17.9081, 8.6808, 25.7396



0.5722, 0.2766, 0.8560

Inverse Universe

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



33.3944, 27.8038, 43.1422



57.3517, 45.1189, 75.7221



30.6063, 38.4268, 37.1541



8.8195, 8.6345, 10.5479



17.9081, 8.6808, 25.7396



0.5722, 0.2766, 0.8560

Previews

White Background



This preview shows how the XYZ color 33.3935, 27.8026, 43.1416 looks on a white background.

Color Contrast Check

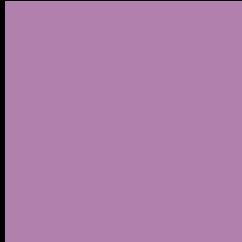
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.3935, 27.8026, 43.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

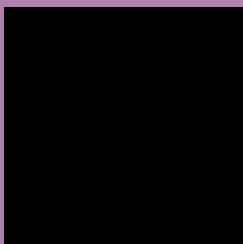
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3935, 27.8026, 43.1416

Background



This preview shows how black text looks on a background with the XYZ color 33.3935, 27.8026, 43.1416.



This preview shows how white text looks on a background with the XYZ color 33.3935, 27.8026,

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

33.3935, 27.8026, 43.1416

Protanopia

28.2012, 28.1322, 48.7434

Deuteranopia

28.5526, 28.0098, 42.4296



Tritanopia

30.6552, 27.6729, 30.1113

Trichromacy



Original Color

33.3935, 27.8026, 43.1416

Protanomaly

29.8028, 27.9157, 46.4653

Deuteranomaly

30.1552, 27.7550, 42.7976

Tritanomaly

31.4883, 27.5978, 34.6776

Monochromacy



Original Color

33.3935, 27.8026, 43.1416

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.9088, 28.8550, 35.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3935, 27.8026, 43.1416 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(177, 128, 173)` looks like.

```
.text, #text, p{  
    color:rgb(177, 128, 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(177, 128, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 128, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.3935, 27.8026, 43.1416 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(177, 128, 173) }
```


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

```
.border{ border-color:rgb(177, 128, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 128, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 128, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 128, 173);  
box-shadow:4px 4px 4px 4px rgb(177, 128,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3935, 27.8026, 43.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 128, 173) }
```

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

```
.background{ background-color: rgb(177,  
128, 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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