

Converting Colors

XYZ(33.4972, 28.3521, 42.9155)

Have a look what the booklet for
XYZ(33.4972, 28.3521, 42.9155)
contains.

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Color

**XYZ(33.3335, 28.1739,
42.7110)**

Conversions

Conversions Part 1

Format	Color
Hex	B082AC
RGB	176, 130, 172
RGB Percent	69%, 51%, 67%
CMY	0.3098, 0.4902, 0.3255
CMYK	0.00, 0.26, 0.02, 0.31
HSL	305°, 23%, 60%
HSV	305°, 26%, 69%
XYZ	33.3335, 28.1739, 42.7110
YIQ	148.5420, 13.9340, 22.8140

Conversions

Conversions Part 2

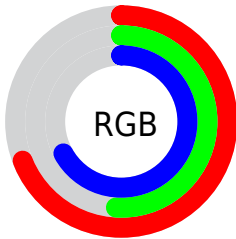
Format	Color
R _{YB}	176, 130, 172
Decimal	11567788
CIE Lab	60.05, 24.82, -15.29
CIE LCh	60, 29.152, 328.361
Yxy	28.1739, 0.3198, 0.2703
Android (android.graphics.Color)	4289757868 (0xFFB082AC)
YUV	148.5420, 11.5648, 24.0807
Hunter-Lab	53.0791, 19.2090, -10.5533

Details

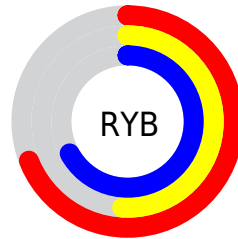
The XYZ color **33.3335, 28.1739, 42.7110** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.0354, 37.5186, 28.2672**, and the grayscale version is **28.3245, 29.7996, 32.4518**.

A 20% lighter version of the original color is **64.0773, 56.5688, 80.2147**, and **14.4272, 11.3043, 19.1909** is the 20% darker color. If you saturate the color by 10%, you get **31.0438, 23.8280, 41.2270**, and if you desaturate by 10%, it is **36.0270, 33.3238, 44.3386**.

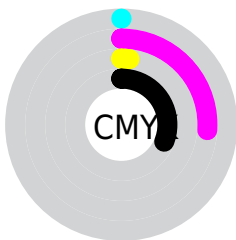
Distribution



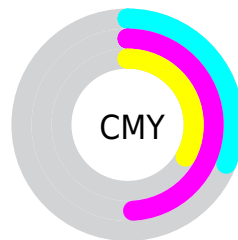
- Red (69%)
- Green (51%)
- Blue (67%)



- Red (69%)
- Yellow (51%)
- Blue (67%)



- Cyan (0%)
- Magenta (26%)
- Yellow (2%)
- Black (31%)





- Cyan (31%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3335, 28.1739, 42.7110 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 33.3335, 28.1739, 42.7110 by changing the saturation by 10% instead.


 33.3335, 28.1739,
42.7110


 33.3335, 28.1739,
42.7110


308.7883,
293.2969, 373.3081

 22.5425, 18.4568,
29.3287


 64.2471, 56.7620,
80.5562

 14.3749, 11.2784,
19.0819


 85.1003, 76.4017,
105.8563

 8.4653, 6.2544,
11.5521


 110.0384,
100.1178, 135.9659

 4.4484, 3.0004,
6.3206

139.4266,
128.2946, 171.3038

 1.9588, 1.1319,
2.9691

173.6304,
161.3165, 212.2884

 0.6107, 0.0050,
1.0789

213.0150,

 0.0000, 0.0000,

199.5679, 259.3383

0.0000

257.9459,
243.4333, 312.8721

■ 33.3335, 28.1739,
42.7110

■ 33.3335, 28.1739,
42.7110

■ 31.0438, 23.8280,
41.2270

■ 36.0270, 33.3238,
44.3386

■ 29.1350, 20.2416,
39.8779

■ 39.1407, 39.3118,
46.1144

■ 27.5858, 17.3717,
38.6570

■ 42.6931, 46.1746,
48.0448

■ 26.3717, 15.1693,
37.5560

■ 46.7011, 53.9457,
50.1355

■ 25.4651, 13.5793,
36.5658

■ 51.1803, 62.6566,
52.3918

■ 24.8342, 12.5380,
35.6757

■ 56.1459, 72.3375,
54.8187

■ 24.4369, 11.9612,
34.8717

■ 61.6123, 83.0171,
57.4210

■ 24.3109, 11.7927,
34.5723

■ 62.3422, 84.2212,
58.4531

■ 62.5039, 84.2859,
59.3042

Harmonies

Analogous

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



30.3178, 28.1739, 52.4355



33.3335, 28.1739, 42.7110



34.5740, 28.1739, 31.2657

Triad

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



33.3335, 28.1739, 42.7110



26.9834, 28.1739, 14.4319



20.9704, 28.1739, 41.4593

Complementary

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



33.3335, 28.1739, 42.7110



29.0354, 37.5186, 28.2672

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.



20.2527, 28.1739, 30.0950



33.3335, 28.1739, 42.7110



23.5259, 28.1739, 15.9637

Square

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



33.3335, 28.1739, 42.7110



30.7040, 28.1739, 16.3454



21.1446, 28.1739, 21.1460



23.2026, 28.1739, 51.6032

Rectangle

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



33.3335, 28.1739, 42.7110



34.1480, 28.1739, 24.6719



21.1446, 28.1739, 21.1460



20.5537, 28.1739, 37.5841

Sweetspot

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



33.3344, 28.1751, 42.7116



69.7921, 68.9946, 82.9673



25.6253, 24.1559, 44.3868



14.9382, 14.5925, 17.8750



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.



33.3344, 28.1751, 42.7116



58.1219, 46.6600, 75.9763



31.3262, 27.3719, 32.1370



8.8175, 8.6337, 10.5375



17.8480, 8.6567, 25.4232



0.5708, 0.2761, 0.8487

Inverse Universe

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



33.3344, 28.1751, 42.7116



58.1219, 46.6600, 75.9763



30.8038, 38.2259, 37.5795



8.8175, 8.6337, 10.5375



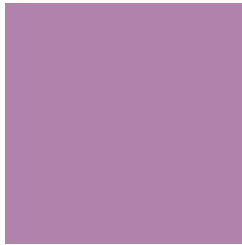
17.8480, 8.6567, 25.4232



0.5708, 0.2761, 0.8487

Previews

White Background



This preview shows how the XYZ color 33.3335, 28.1739, 42.7110 looks on a white background.

Color Contrast Check

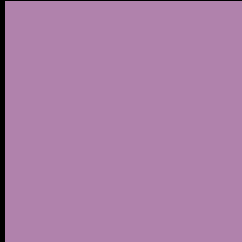
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3335, 28.1739, 42.7110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

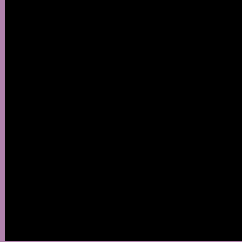
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3335, 28.1739, 42.7110

Background



This preview shows how black text looks on a background with the XYZ color 33.3335, 28.1739, 42.7110.



This preview shows how white text looks on a background with the XYZ color 33.3335, 28.1739,

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

33.3335, 28.1739, 42.7110

Protanopia

28.4671, 28.5170, 47.7200

Deuteranopia

28.9613, 28.4513, 41.9954



Tritanopia

30.7881, 28.1429, 30.5975

Trichromacy



Original Color

33.3335, 28.1739, 42.7110

Protanomaly

30.0310, 28.2589, 45.9912

Deuteranomaly

30.5397, 28.3863, 42.3976

Tritanomaly

31.5375, 28.0259, 34.7577

Monochromacy



Original Color

33.3335, 28.1739, 42.7110

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.0569, 29.1513, 35.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3335, 28.1739, 42.7110 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(176, 130, 172)` looks like.

```
.text, #text, p{  
    color:rgb(176, 130, 172)  
}
```

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(176, 130, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 130, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.3335, 28.1739, 42.7110 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(176, 130, 172) }
```


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

```
.border{ border-color:rgb(176, 130, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 130, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 130, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 130, 172);  
box-shadow:4px 4px 4px 4px rgb(176, 130,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3335, 28.1739, 42.7110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 130, 172) }
```

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

```
.background{ background-color: rgb(176,  
130, 172) }
```

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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