

Converting Colors

XYZ(33.9228, 28.6761, 42.7768)

Have a look what the booklet for
XYZ(33.9228, 28.6761, 42.7768)
contains.

XYZ(33.9228, 28.6761, 42.7768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.9228, 28.6761,
42.7768)**

Conversions

Conversions Part 1

Format	Color
Hex	B283AC
RGB	178, 131, 172
RGB Percent	70%, 51%, 67%
CMY	0.3020, 0.4863, 0.3255
CMYK	0.00, 0.26, 0.03, 0.30
HSL	308°, 23%, 61%
HSV	308°, 26%, 70%
XYZ	33.9228, 28.6761, 42.7768
YIQ	149.7270, 14.8510, 22.7150

Conversions

Conversions Part 2

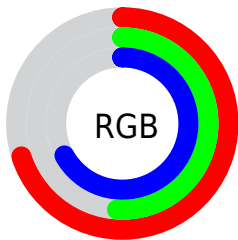
Format	Color
R _Y B	178, 131, 172
Decimal	11699116
CIE Lab	60.49, 24.95, -14.59
CIE LCh	60, 28.903, 329.676
Yxy	28.6761, 0.3219, 0.2721
Android (android.graphics.Color)	4289889196 (0xFFB283AC)
YUV	149.7270, 10.9806, 24.7954
Hunter-Lab	53.5501, 19.3632, -9.8769

Details

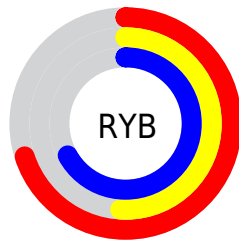
The XYZ color **33.9228, 28.6761, 42.7768** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.7970, 38.4732, 29.5242**, and the grayscale version is **28.8251, 30.3262, 33.0252**.

A 20% lighter version of the original color is **64.9373, 57.3195, 80.3142**, and **14.7900, 11.6009, 19.2290** is the 20% darker color. If you saturate the color by 10%, you get **31.5183, 24.2129, 40.9078**, and if you desaturate by 10%, it is **36.7435, 33.9647, 44.8035**.

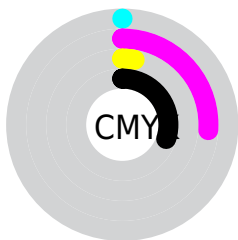
Distribution



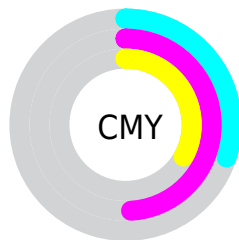
- Red (70%)
- Green (51%)
- Blue (67%)



- Red (70%)
- Yellow (51%)
- Blue (67%)



- Cyan (0%)
- Magenta (26%)
- Yellow (3%)
- Black (30%)





- Cyan (30%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9228, 28.6761, 42.7768 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 33.9228, 28.6761, 42.7768 by changing the saturation by 10% instead.


 33.9228, 28.6761,
42.7768


 33.9228, 28.6761,
42.7768


311.3797,
295.6836, 373.5873


 22.9969, 18.8359,
29.3799


 65.1587, 57.5621,
80.6567

 14.7119, 11.5518,
19.1204


 86.1994, 77.3767,
105.9768

 8.7024, 6.4393,
11.5796


 111.3424,
101.2849, 136.1083

 4.6032, 3.1140,
6.3391

140.9531,
129.6711, 171.4699

 2.0487, 1.1915,
2.9802

175.3968,
162.9196, 212.4800

 0.6611, 0.0548,
1.0845

215.0389,

 0.0000, 0.0000,

201.4150, 259.5573

0.0000

260.2447,
245.5415, 313.1202

■ 33.9228, 28.6761,
42.7768

■ 33.9228, 28.6761,
42.7768

■ 31.5183, 24.2129,
40.9078

■ 36.7435, 33.9647,
44.8035

■ 29.5063, 20.5294,
39.1877

■ 39.9973, 40.1140,
46.9929

■ 27.8649, 17.5810,
37.6094

■ 43.7033, 47.1617,
49.3515

■ 26.5688, 15.3174,
36.1643

■ 47.8788, 55.1421,
51.8853

■ 25.5895, 13.6817,
34.8429

■ 52.5400, 64.0880,
54.5998

■ 24.8942, 12.6080,
33.6341

■ 57.7024, 74.0303,
57.5002

■ 24.4384, 12.0075,
32.5230

■ 63.1877, 84.6121,
60.5272

■ 24.2999, 11.8409,
32.1361

■ 63.4346, 84.7108,
61.8271

■ 63.6853, 84.8111,
63.1474

Harmonies

Analogous

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



30.9607, 28.6761, 52.6703



33.9228, 28.6761, 42.7768



35.0701, 28.6761, 31.3397

Triad

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



33.9228, 28.6761, 42.7768



27.2963, 28.6761, 14.8658



21.4904, 28.6761, 42.5292

Complementary

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



33.9228, 28.6761, 42.7768



29.7970, 38.4732, 29.5242

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.



20.6981, 28.6761, 31.1074



33.9228, 28.6761, 42.7768



23.8589, 28.6761, 16.5684

Square

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



33.9228, 28.6761, 42.7768



31.0372, 28.6761, 16.6447



21.5251, 28.6761, 21.9636



23.7947, 28.6761, 52.5059

Rectangle

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



33.9228, 28.6761, 42.7768



34.5774, 28.6761, 24.8091



21.5251, 28.6761, 21.9636



21.0483, 28.6761, 38.6576

Sweetspot

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



33.9237, 28.6774, 42.7774



71.4496, 70.6927, 84.5066



26.3855, 24.7232, 45.5015



15.6272, 15.2787, 18.5882



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.9237, 28.6774, 42.7774



58.7479, 46.8522, 75.4549



31.9036, 27.8693, 32.1398



8.8024, 8.6277, 10.4579



17.4027, 8.4787, 23.0785



0.5605, 0.2720, 0.7944

Inverse Universe

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



33.9237, 28.6774, 42.7774



58.7479, 46.8522, 75.4549



31.6252, 39.2045, 39.1515



8.8024, 8.6277, 10.4579



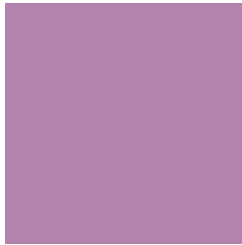
17.4027, 8.4787, 23.0785



0.5605, 0.2720, 0.7944

Previews

White Background



This preview shows how the XYZ color 33.9228, 28.6761, 42.7768 looks on a white background.

Color Contrast Check

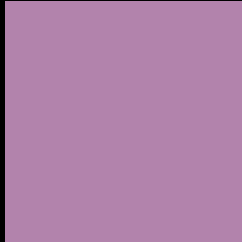
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9228, 28.6761, 42.7768 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 33.9228, 28.6761, 42.7768

Background



This preview shows how black text looks on a background with the XYZ color 33.9228, 28.6761, 42.7768.



This preview shows how white text looks on a background with the XYZ color 33.9228, 28.6761,

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

33.9228, 28.6761, 42.7768

Protanopia

28.7824, 28.9054, 47.7784

Deuteranopia

29.4726, 28.9368, 42.0622



Tritanopia

31.6717, 28.7976, 31.0833

Trichromacy



Original Color

33.9228, 28.6761, 42.7768

Protanomaly

30.3629, 28.6459, 46.0484

Deuteranomaly

31.0805, 28.8791, 42.4642

Tritanomaly

32.3460, 28.6469, 34.8349

Monochromacy



Original Color

33.9228, 28.6761, 42.7768

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4912, 29.5871, 36.4516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9228, 28.6761, 42.7768 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(178, 131, 172)` looks like.

```
.text, #text, p{  
    color:rgb(178, 131, 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(178, 131, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 131, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.9228, 28.6761, 42.7768 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(178, 131, 172) }
```


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

```
.border{ border-color:rgb(178, 131, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 131, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 131, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 131, 172);  
box-shadow:4px 4px 4px 4px rgb(178, 131,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9228, 28.6761, 42.7768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 131, 172) }
```

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

```
.background{ background-color: rgb(178,  
131, 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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