

Converting Colors

XYZ(33.3156, 28.4069, 40.7729)

Have a look what the booklet for
XYZ(33.3156, 28.4069, 40.7729)
contains.

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Color

**XYZ(33.3156, 28.4069,
40.7729)**

Conversions

Conversions Part 1

Format	Color
Hex	B183A8
RGB	177, 131, 168
RGB Percent	69%, 51%, 66%
CMY	0.3059, 0.4863, 0.3412
CMYK	0.00, 0.26, 0.05, 0.31
HSL	312°, 23%, 60%
HSV	312°, 26%, 69%
XYZ	33.3156, 28.4069, 40.7729
YIQ	148.9720, 15.5390, 21.2590

Conversions

Conversions Part 2

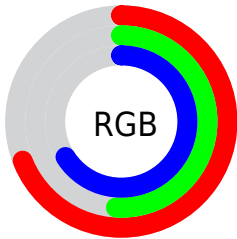
Format	Color
RYB	177, 131, 168
Decimal	11633576
CIELab	60.25, 23.85, -12.68
CIElCh	60, 27.017, 332.002
Yxy	28.4069, 0.3250, 0.2772
Android (android.graphics.Color)	4289823656 (0xFFB183A8)
YUV	148.9720, 9.3808, 24.5806
Hunter-Lab	53.2981, 18.3051, -8.0480

Details

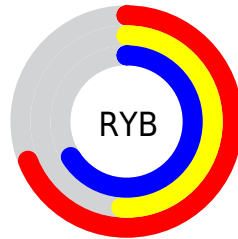
The XYZ color **33.3156, 28.4069, 40.7729** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.8170, 38.1638, 30.6074**, and the grayscale version is **28.5133, 29.9982, 32.6680**.

A 20% lighter version of the original color is **64.0640, 56.9323, 77.4245**, and **14.4070, 11.4309, 17.9700** is the 20% darker color. If you saturate the color by 10%, you get **30.8202, 23.9253, 38.3706**, and if you desaturate by 10%, it is **36.2274, 33.7067, 43.3570**.

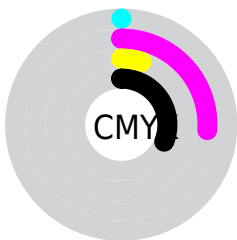
Distribution



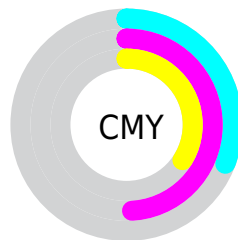
- Red (69%)
- Green (51%)
- Blue (66%)



- Red (69%)
- Yellow (51%)
- Blue (66%)



- Cyan (0%)
- Magenta (26%)
- Yellow (5%)
- Black (31%)



- Cyan (31%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3156, 28.4069, 40.7729 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 33.3156, 28.4069, 40.7729 by changing the saturation by 10% instead.

■ 33.3156, 28.4069,
40.7729

■ 33.3156, 28.4069,
40.7729

308.7094,
294.4062, 365.0191

■ 22.5287, 18.6326,
27.8233

■ 64.2193, 57.1334,
77.5889

■ 14.3647, 11.4051,
17.9546

■ 85.0669, 76.8544,
102.2925

■ 8.4581, 6.3400,
10.7483

■ 109.9987,
100.6598, 131.7511

■ 4.4437, 3.0529,
5.7858

139.3802,
128.9340, 166.3833

■ 1.9561, 1.1594,
2.6486

173.5766,
162.0613, 206.6077

■ 0.6091, 0.0282,
0.9174

212.9534,

■ 0.0000, 0.0000,

200.4262, 252.8427

0.0000

257.8758,
244.4130, 305.5070

■ 33.3156, 28.4069,
40.7729

■ 33.3156, 28.4069,
40.7729

■ 30.8202, 23.9253,
38.3706

■ 36.2274, 33.7067,
43.3570

■ 28.7180, 20.2167,
36.1411

■ 39.5722, 39.8592,
46.1280

■ 26.9873, 17.2376,
34.0772

■ 43.3690, 46.9017,
49.0926

■ 25.6032, 14.9384,
32.1702

■ 47.6348, 54.8680,
52.2569

■ 24.5379, 13.2632,
30.4106

■ 52.3855, 63.7902,
55.6265

■ 23.7589, 12.1476,
28.7872

■ 57.6366, 73.6988,
59.2069

■ 23.2242, 11.5076,
27.2856

■ 63.4028, 84.6231,
63.0032

■ 23.0417, 11.3112,
26.7050

■ 63.8221, 84.8394,
65.0619

■ 64.2202, 84.9986,
67.1583

Harmonies

Analogous

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



30.6842, 28.4069, 50.0820



33.3156, 28.4069, 40.7729



34.2154, 28.4069, 30.2690

Triad

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



33.3156, 28.4069, 40.7729



26.7680, 28.4069, 15.5197



21.7382, 28.4069, 42.1756

Complementary

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



33.3156, 28.4069, 40.7729



29.8170, 38.1638, 30.6074

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.



20.8776, 28.4069, 31.6011



33.3156, 28.4069, 40.7729



23.6230, 28.4069, 17.4143

Square

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



33.3156, 28.4069, 40.7729



30.2476, 28.4069, 16.9641



21.5375, 28.4069, 22.8147



23.9934, 28.4069, 51.0060

Rectangle

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



33.3156, 28.4069, 40.7729



33.6554, 28.4069, 24.3226



21.5375, 28.4069, 22.8147



21.2853, 28.4069, 38.6378

Sweetspot

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



33.3165, 28.4082, 40.7735



69.5167, 68.8844, 81.5171



26.7734, 24.9348, 44.9971



14.8679, 14.5643, 17.5046



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.



33.3165, 28.4082, 40.7735



57.1007, 46.2515, 70.5989



31.4034, 27.6429, 30.6995



8.7773, 8.6177, 10.3259



16.7160, 8.2039, 19.4621



0.5442, 0.2654, 0.7085

Inverse Universe

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



33.3165, 28.4082, 40.7735



57.1007, 46.2515, 70.5989



31.6434, 38.8943, 40.2252



8.7773, 8.6177, 10.3259



16.7160, 8.2039, 19.4621



0.5442, 0.2654, 0.7085

Previews

White Background



This preview shows how the XYZ color 33.3156, 28.4069, 40.7729 looks on a white background.

Color Contrast Check

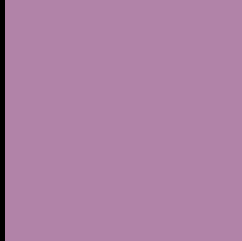
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3156, 28.4069, 40.7729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

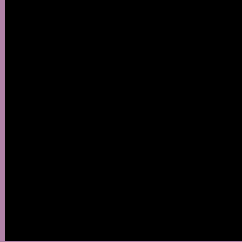
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3156, 28.4069, 40.7729

Background



This preview shows how black text looks on a background with the XYZ color 33.3156, 28.4069, 40.7729.



This preview shows how white text looks on a background with the XYZ color 33.3156, 28.4069,

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

33.3156, 28.4069, 40.7729

Protanopia

28.3903, 28.5241, 45.6043

Deuteranopia

29.1336, 28.5832, 40.0580



Tritanopia

31.3078, 28.4019, 31.0261

Trichromacy



Original Color

33.3156, 28.4069, 40.7729

Protanomaly

29.8215, 28.1966, 43.9151

Deuteranomaly

30.5607, 28.4406, 40.4381

Tritanomaly

32.0370, 28.4972, 34.3838

Monochromacy



Original Color

33.3156, 28.4069, 40.7729

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9718, 29.1172, 35.4930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3156, 28.4069, 40.7729 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, 131, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 131, 168)  
}
```

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, 131, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 131, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.3156, 28.4069, 40.7729 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, 131, 168) }
```


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

```
.border{ border-color:rgb(177, 131, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 131, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 131, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 131, 168);  
box-shadow:4px 4px 4px 4px rgb(177, 131,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3156, 28.4069, 40.7729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 131, 168) }
```

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

```
.background{ background-color: rgb(177,  
131, 168) }
```

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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