

Converting Colors

XYZ(33.1285, 28.5123, 40.3905)

Have a look what the booklet for
XYZ(33.1285, 28.5123, 40.3905)
contains.

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Color

**XYZ(33.1308, 28.5227,
40.3185)**

Conversions

Conversions Part 1

Format	Color
Hex	B084A7
RGB	176, 132, 167
RGB Percent	69%, 52%, 65%
CMY	0.3098, 0.4823, 0.3451
CMYK	0.00, 0.25, 0.05, 0.31
HSL	312°, 22%, 60%
HSV	312°, 25%, 69%
XYZ	33.1308, 28.5227, 40.3185
YIQ	149.1460, 14.9890, 20.2130

Conversions

Conversions Part 2

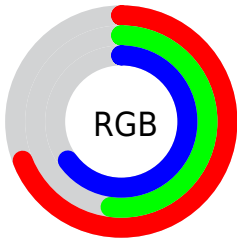
Format	Color
R_{YB}	176, 132, 167
Decimal	11568295
CIE _{Lab}	60.36, 22.76, -11.97
CIE _{LCh}	60, 25.711, 332.261
Yxy	28.5227, 0.3249, 0.2797
Android (android.graphics.Color)	4289758375 (0xFFB084A7)
YUV	149.1460, 8.8020, 23.5510
Hunter-Lab	53.4066, 17.2708, -7.3754




Details

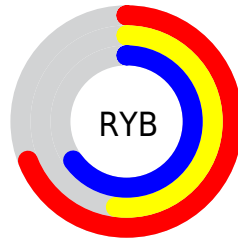
The XYZ color **33.1308, 28.5227, 40.3185** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.8499, 37.8801, 30.9393**, and the grayscale version is **28.5889, 30.0778, 32.7547**.




A 20% lighter version of the original color is **63.8125, 57.1277, 76.7707**, and **14.2802, 11.4833, 17.6835** is the 20% darker color. If you saturate the color by 10%, you get **30.6145, 24.0150, 37.8606**, and if you desaturate by 10%, it is **36.0607, 33.8419, 42.9606**.

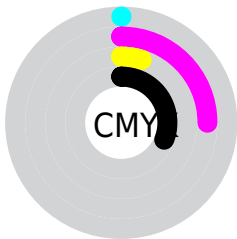
Distribution







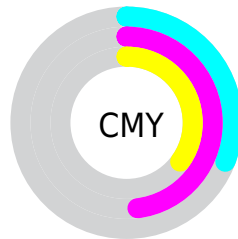
-  Red (69%)
-  Green (52%)
-  Blue (65%)






-  Red (69%)
-  Yellow (52%)
-  Blue (65%)



-  Cyan (0%)
-  Magenta (25%)
-  Yellow (5%)
-  Black (31%)



-  Cyan (31%)
-  Magenta (48%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1308, 28.5227, 40.3185 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 33.1308, 28.5227, 40.3185 by changing the saturation by 10% instead.

■ 33.1308, 28.5227,
40.3185

■ 33.1308, 28.5227,
40.3185

307.8933,
294.9562, 363.0561

■ 22.3864, 18.7201,
27.4713

■ 63.9330, 57.3179,
76.8907

■ 14.2593, 11.4682,
17.6919

■ 84.7215, 77.0792,
101.4527

■ 8.3841, 6.3827,
10.5619

■ 109.5887,
100.9289, 130.7567

■ 4.3956, 3.0791,
5.6626

138.9000,
129.2513, 165.2213

■ 1.9283, 1.1732,
2.5756

173.0208,
162.4308, 205.2650

■ 0.5932, 0.0396,
0.8798

212.3163,

■ 0.0000, 0.0000,

200.8519, 251.3064

0.0000

257.1521,
244.8989, 303.7639

■ 33.1308, 28.5227,
40.3185

■ 33.1308, 28.5227,
40.3185

■ 30.6145, 24.0150,
37.8606

■ 36.0607, 33.8419,
42.9606

■ 28.4890, 20.2745,
35.5781

■ 39.4205, 40.0065,
45.7918

■ 26.7331, 17.2587,
33.4637

■ 43.2288, 47.0528,
48.8188

■ 25.3226, 14.9192,
31.5091

■ 47.5021, 55.0141,
52.0477

■ 24.2303, 13.2018,
29.7048

■ 52.2563, 63.9220,
55.4841

■ 23.4248, 12.0437,
28.0399

■ 57.5065, 73.8063,
59.1333

■ 22.8676, 11.3683,
26.5012

■ 63.2016, 84.5650,
62.9786

■ 22.6382, 11.1236,
25.7642

■ 63.6060, 84.7267,
65.1085

■ 64.0203, 84.8925,
67.2902

Harmonies

Analogous

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



30.6445, 28.5227, 49.1236



33.1308, 28.5227, 40.3185



33.9667, 28.5227, 30.3442

Triad

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



33.1308, 28.5227, 40.3185



26.8601, 28.5227, 16.1924



22.0846, 28.5227, 41.8160

Complementary

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



33.1308, 28.5227, 40.3185



29.8499, 37.8801, 30.9393

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.



21.2443, 28.5227, 31.7796



33.1308, 28.5227, 40.3185



23.8582, 28.5227, 18.0711

Square

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



33.1308, 28.5227, 40.3185



30.1759, 28.5227, 17.5754



21.8667, 28.5227, 23.3339



24.2591, 28.5227, 50.1044

Rectangle

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



33.1308, 28.5227, 40.3185



33.4250, 28.5227, 24.6610



21.8667, 28.5227, 23.3339



21.6451, 28.5227, 38.4716

Sweetspot

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



33.1317, 28.5240, 40.3191



70.1335, 70.0508, 81.9301



27.0396, 25.2839, 44.5298



15.1207, 15.0369, 17.6905



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.



33.1317, 28.5240, 40.3191



57.4760, 47.0357, 70.6202



31.2831, 27.7845, 30.5845



8.7741, 8.6163, 10.3087



16.6313, 8.1701, 19.0163



0.5422, 0.2646, 0.6976

Inverse Universe

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



33.1317, 28.5240, 40.3191



57.4760, 47.0357, 70.6202



31.6350, 38.5941, 40.3394



8.7741, 8.6163, 10.3087



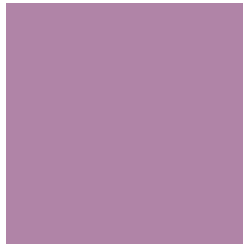
16.6313, 8.1701, 19.0163



0.5422, 0.2646, 0.6976

Previews

White Background



This preview shows how the XYZ color 33.1308, 28.5227, 40.3185 looks on a white background.

Color Contrast Check

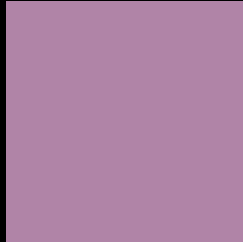
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1308, 28.5227, 40.3185 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 33.1308, 28.5227, 40.3185

Background



This preview shows how black text looks on a background with the XYZ color 33.1308, 28.5227, 40.3185.



This preview shows how white text looks on a background with the XYZ color 33.1308, 28.5227,

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

33.1308, 28.5227, 40.3185

Protanopia

28.3586, 28.5306, 44.5697

Deuteranopia

29.2270, 28.6419, 39.5853



Tritanopia

31.2260, 28.5679, 31.0625

Trichromacy



Original Color

33.1308, 28.5227, 40.3185

Protanomaly

29.7734, 28.4101, 42.9442

Deuteranomaly

30.4686, 28.4037, 39.9530

Tritanomaly

31.9523, 28.6597, 34.4197

Monochromacy



Original Color

33.1308, 28.5227, 40.3185

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

30.1213, 29.4161, 35.5428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1308, 28.5227, 40.3185 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, 132, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 132, 167)  
}
```

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, 132, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 132, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.1308, 28.5227, 40.3185 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, 132, 167) }
```


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

```
.border{ border-color:rgb(176, 132, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 132, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 132, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 132, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 132,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1308, 28.5227, 40.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 132, 167) }
```

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

```
.background{ background-color: rgb(176,  
132, 167) }
```

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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