

Converting Colors

XYZ(33.1248, 29.6855, 41.1646)

Have a look what the booklet for
XYZ(33.1248, 29.6855, 41.1646)
contains.

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Color

**XYZ(33.1696, 29.7748,
41.0447)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8AA8
RGB	172, 138, 168
RGB Percent	67%, 54%, 66%
CMY	0.3255, 0.4588, 0.3412
CMYK	0.00, 0.20, 0.02, 0.33
HSL	307°, 17%, 61%
HSV	307°, 20%, 67%
XYZ	33.1696, 29.7748, 41.0447
YIQ	151.5860, 10.6340, 16.5380

Conversions

Conversions Part 2

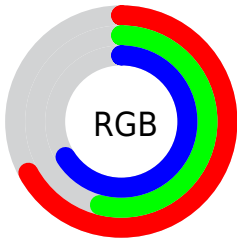
Format	Color
R_{YB}	172, 138, 168
Decimal	11307688
CIE _{Lab}	61.46, 18.15, -10.93
CIE _{LCh}	61, 21.181, 328.949
Yxy	29.7748, 0.3190, 0.2863
Android (android.graphics.Color)	4289497768 (0xFFAC8AA8)
YUV	151.5860, 8.0921, 17.9031
Hunter-Lab	54.5663, 13.0151, -6.4015

Details

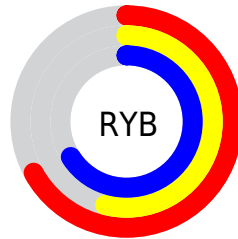
The XYZ color **33.1696, 29.7748, 41.0447** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.1174, 36.8621, 31.1205**, and the grayscale version is **29.6306, 31.1737, 33.9481**.

A 20% lighter version of the original color is **64.1638, 59.5210, 77.9189**, and **14.2499, 12.1623, 18.1195** is the 20% darker color. If you saturate the color by 10%, you get **30.7079, 25.1503, 39.3015**, and if you desaturate by 10%, it is **36.0268, 35.1847, 42.9349**.

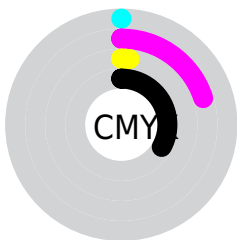
Distribution



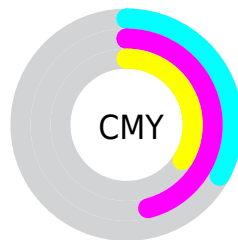
- Red (67%)
- Green (54%)
- Blue (66%)



- Red (67%)
- Yellow (54%)
- Blue (66%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1696, 29.7748, 41.0447 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 33.1696, 29.7748, 41.0447 by changing the saturation by 10% instead.

■ 33.1696, 29.7748,
41.0447

■ 33.1696, 29.7748,
41.0447

308.0648,
300.8533, 366.1896

■ 22.4163, 19.6677,
28.0340

■ 63.9931, 59.3059,
78.0062

■ 14.2814, 12.1537,
18.1121

■ 84.7940, 79.4986,
102.7940

■ 8.3996, 6.8485,
10.8602

■ 109.6748,
103.8221, 132.3447

■ 4.4057, 3.3675,
5.8599

139.0009,
132.6606, 167.0768

■ 1.9341, 1.3265,
2.6927

173.1376,
166.3986, 207.4088

■ 0.5965, 0.1616,
0.9397

212.4502,

■ 0.0000, 0.0000,

205.4204, 253.7592

0.0000

257.3041,
250.1106, 306.5466

■ 33.1696, 29.7748,
41.0447

■ 33.1696, 29.7748,
41.0447

■ 30.7079, 25.1503,
39.3015

■ 36.0268, 35.1847,
42.9349

■ 28.6206, 21.2705,
37.6971

■ 39.2941, 41.4104,
44.9760

■ 26.8889, 18.0972,
36.2257

■ 42.9883, 48.4853,
47.1741

■ 25.4911, 15.5869,
34.8798

■ 47.1249, 56.4401,
49.5342

■ 24.4030, 13.6917,
33.6513

■ 51.7182, 65.3037,
52.0614

■ 23.5975, 12.3568,
32.5313

■ 56.7822, 75.1037,
54.7602

■ 23.0424, 11.5182,
31.5087

■ 61.2342, 83.6750,
57.2699

■ 22.6699, 11.0403,
30.5611

■ 61.4451, 83.7594,
58.3808

■ 22.6616, 11.0300,
30.5392

■ 61.6591, 83.8450,
59.5077

Harmonies

Analogous

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



30.9879, 29.7748, 47.8774



33.1696, 29.7748, 41.0447



34.0340, 29.7748, 32.7035

Triad

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



33.1696, 29.7748, 41.0447



28.3990, 29.7748, 19.3135



23.8438, 29.7748, 40.4737

Complementary

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



33.1696, 29.7748, 41.0447



30.1174, 36.8621, 31.1205

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.



23.2493, 29.7748, 32.1375



33.1696, 29.7748, 41.0447



25.7723, 29.7748, 20.7085

Square

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



33.1696, 29.7748, 41.0447



31.1701, 29.7748, 20.9191



23.9321, 29.7748, 25.0964



25.6118, 29.7748, 47.5113

Rectangle

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



33.1696, 29.7748, 41.0447



33.7060, 29.7748, 27.6644



23.9321, 29.7748, 25.0964



23.5055, 29.7748, 37.6909

Sweetspot

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



33.1705, 29.7761, 41.0453



67.4374, 67.7858, 79.2116



27.6858, 26.9049, 42.7641



14.5773, 14.5821, 17.1650



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.1705, 29.7761, 41.0453



58.0047, 49.9304, 72.9536



31.6914, 29.1845, 33.2564



8.2959, 8.1316, 9.8690



16.8770, 8.2133, 22.7952



0.4807, 0.2330, 0.6932

Inverse Universe

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



33.1705, 29.7761, 41.0453



58.0047, 49.9304, 72.9536



31.4899, 37.4111, 38.3481



8.2959, 8.1316, 9.8690



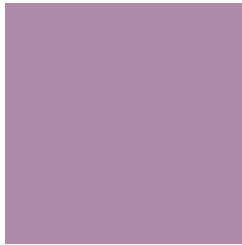
16.8770, 8.2133, 22.7952



0.4807, 0.2330, 0.6932

Previews

White Background



This preview shows how the XYZ color 33.1696, 29.7748, 41.0447 looks on a white background.

Color Contrast Check

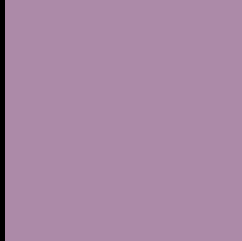
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1696, 29.7748, 41.0447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

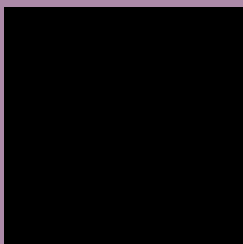
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1696, 29.7748, 41.0447

Background



This preview shows how black text looks on a background with the XYZ color 33.1696, 29.7748, 41.0447.



This preview shows how white text looks on a background with the XYZ color 33.1696, 29.7748,

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

33.1696, 29.7748, 41.0447

Protanopia

29.4014, 29.7631, 44.2396

Deuteranopia

30.6180, 30.0094, 40.7379



Tritanopia

31.7699, 29.8628, 33.7954

Trichromacy



Original Color

33.1696, 29.7748, 41.0447

Protanomaly

30.7461, 29.7951, 43.1603

Deuteranomaly

31.3460, 29.7131, 40.6423

Tritanomaly

32.3442, 29.8827, 36.4110

Monochromacy



Original Color

33.1696, 29.7748, 41.0447

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9033, 30.7070, 36.6460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1696, 29.7748, 41.0447 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(172, 138, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 138, 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(172, 138, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 138, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.1696, 29.7748, 41.0447 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(172, 138, 168) }
```


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

```
.border{ border-color:rgb(172, 138, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 138, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 138, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 138, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 138,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1696, 29.7748, 41.0447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 138, 168) }
```

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

```
.background{ background-color: rgb(172,  
138, 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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