

# Converting Colors

XYZ(32.4626, 28.7086, 33.1898)

Have a look what the booklet for  
XYZ(32.4626, 28.7086, 33.1898)  
contains.

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# Color

**XYZ(32.4711, 28.7495,  
33.1160)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B28697
RGB	178, 134, 151
RGB Percent	70%, 53%, 59%
CMY	0.3020, 0.4745, 0.4078
CMYK	0.00, 0.25, 0.15, 0.30
HSL	337°, 22%, 61%
HSV	337°, 25%, 70%
XYZ	32.4711, 28.7495, 33.1160
YIQ	149.0940, 20.7670, 14.6150

# Conversions

## Conversions Part 2

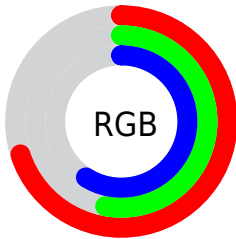
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 134, 151
Decimal	11699863
CIELab	60.56, 19.53, -2.50
CIElCh	61, 19.694, 352.706
Yxy	28.7495, 0.3442, 0.3048
Android (android.graphics.Color)	4289889943 (0xFFB28697)
YUV	149.0940, 0.9397, 25.3506
Hunter-Lab	53.6186, 14.2661, 0.9142

# Details

The XYZ color **32.4711, 28.7495, 33.1160** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.1861, 39.4831, 39.6446**, and the grayscale version is **28.5973, 30.0866, 32.7643**.

A 20% lighter version of the original color is **62.7215, 57.4409, 65.5390**, and **13.9280, 11.6207, 13.5655** is the 20% darker color. If you saturate the color by 10%, you get **29.3685, 23.8987, 27.9059**, and if you desaturate by 10%, it is **36.0716, 34.4640, 38.8983**.

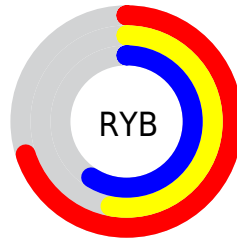
# Distribution



Red (70%)

Green (53%)

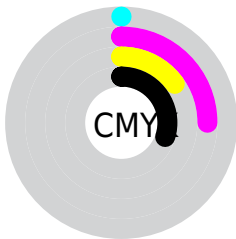
Blue (59%)



Red (70%)

Yellow (53%)

Blue (59%)

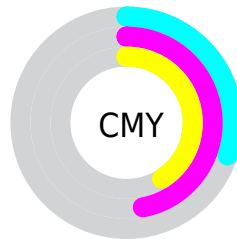


Cyan (0%)

Magenta (25%)

Yellow (15%)

Black (30%)



Cyan (30%)

Magenta (47%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4711, 28.7495, 33.1160 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 32.4711, 28.7495, 33.1160 by changing the saturation by 10% instead.





 32.4711, 28.7495,  
33.1160


 32.4711, 28.7495,  
33.1160


304.9670,  
296.0312, 330.8201


 21.8789, 18.8914,  
21.9435


 62.9091, 57.6789,  
65.6747

 13.8840, 11.5918,  
13.6175


 83.4856, 77.5189,  
87.8979

 8.1212, 6.4664,  
7.7194


 108.1209,  
101.4550, 114.6418

 4.2251, 3.1307,  
3.8307

137.1804,  
129.8717, 146.3249

 1.8302, 1.2003,  
1.5330

171.0294,  
163.1532, 183.3658

 0.5358, 0.0620,  
0.2423

210.0333,

 0.0000, 0.0000,

201.6841, 226.1829

0.0000

254.5573,  
245.8486, 275.1948

■ 32.4711, 28.7495,  
33.1160

■ 32.4711, 28.7495,  
33.1160

■ 29.3685, 23.8987,  
27.9059

■ 36.0716, 34.4640,  
38.8983

■ 26.7385, 19.8653,  
23.2477

■ 40.1890, 41.0776,  
45.2687

■ 24.5571, 16.6047,  
19.1222

■ 44.8443, 48.6286,  
52.2446

■ 22.7969, 14.0664,  
15.5083

■ 50.0564, 57.1519,  
59.8423

■ 21.4278, 12.1937,  
12.3834

■ 55.8434, 66.6805,  
68.0772

■ 20.4149, 10.9215,  
9.7225

■ 62.2226, 77.2460,  
76.9642

■ 19.7165, 10.1709,  
7.4977

■ 68.0497, 86.5568,  
86.1309

■ 19.4272, 9.8918,  
6.4776

■ 69.6101, 87.1810,  
94.3476

■ 71.2679, 87.8441,  
103.0777

# Harmonies

## Analogous

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



31.4052, 28.7495, 40.5831



32.4711, 28.7495, 33.1160



32.0916, 28.7495, 26.2005

# Triad

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



32.4711, 28.7495, 33.1160



25.4803, 28.7495, 20.0756



24.4672, 28.7495, 43.8249

# Complementary

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



32.4711, 28.7495, 33.1160



32.1861, 39.4831, 39.6446

# 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.



23.0564, 28.7495, 37.0291



32.4711, 28.7495, 33.1160



23.6154, 28.7495, 23.5583

# Square

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



32.4711, 28.7495, 33.1160



27.9514, 28.7495, 19.3609



22.7545, 28.7495, 29.5580



26.7091, 28.7495, 47.3591



# Rectangle

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



32.4711, 28.7495, 33.1160



31.0805, 28.7495, 22.7297



22.7545, 28.7495, 29.5580



23.8859, 28.7495, 41.8002

# Sweetspot

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



32.4719, 28.7508, 33.1166



70.9970, 71.4551, 79.2150



31.1393, 27.7808, 45.8408



15.6293, 15.6698, 17.3965



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.



32.4719, 28.7508, 33.1166



55.5131, 46.8468, 54.4480



31.8101, 29.4795, 26.5693



8.6277, 8.5578, 9.5380



13.9291, 7.0892, 4.7865



0.4673, 0.2347, 0.3036



# Inverse Universe

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



32.4719, 28.7508, 33.1166



55.5131, 46.8468, 54.4480



32.9272, 38.4012, 47.7965



8.6277, 8.5578, 9.5380



13.9291, 7.0892, 4.7865

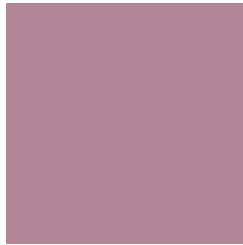


0.4673, 0.2347, 0.3036



# Previews

## White Background



This preview shows how the XYZ color 32.4711, 28.7495, 33.1160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

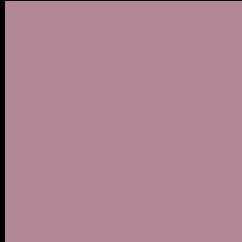
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 32.4711, 28.7495, 33.1160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

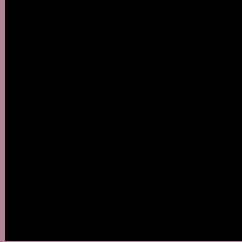
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 32.4711, 28.7495, 33.1160**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.4711, 28.7495, 33.1160.



This preview shows how white text looks on a background with the XYZ color 32.4711, 28.7495,



# 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

32.4711, 28.7495, 33.1160

### Protanopia

28.1510, 28.8304, 36.4289

### Deuteranopia

29.4761, 28.9189, 32.8825



## Tritanopia

31.9063, 28.7194, 30.6498

# Trichromacy



## Original Color

32.4711, 28.7495, 33.1160

## Protanomaly

29.5418, 28.6854, 34.9902

## Deuteranomaly

30.4635, 28.7742, 32.8025

## Tritanomaly

32.0619, 28.7816, 31.4693

# Monochromacy



## Original Color

32.4711, 28.7495, 33.1160

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.9755, 29.6221, 32.9919

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.4711, 28.7495, 33.1160 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, 134, 151)` looks like.

```
.text, #text, p{  
    color:rgb(178, 134, 151)  
}
```

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, 134, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 134, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 32.4711, 28.7495, 33.1160 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, 134, 151) }
```



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

```
.border{ border-color:rgb(178, 134, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 134, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 134, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 134, 151);  
box-shadow:4px 4px 4px 4px rgb(178, 134,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.4711, 28.7495, 33.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 134, 151) }
```

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

```
.background{ background-color: rgb(178,  
134, 151) }
```

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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