

Converting Colors

XYZ(31.9037, 27.1618, 33.8849)

Have a look what the booklet for
XYZ(31.9037, 27.1618, 33.8849)
contains.

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Color

**XYZ(31.8290, 27.2032,
33.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	B28099
RGB	178, 128, 153
RGB Percent	70%, 50%, 60%
CMY	0.3020, 0.4980, 0.4000
CMYK	0.00, 0.28, 0.14, 0.30
HSL	330°, 25%, 60%
HSV	330°, 28%, 70%
XYZ	31.8290, 27.2032, 33.7102
YIQ	145.8000, 21.7750, 18.3750

Conversions

Conversions Part 2

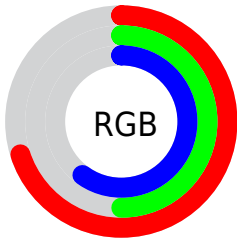
Format	Color
RYB	178, 128, 153
Decimal	11698329
CIELab	59.16, 23.24, -5.71
CIELCh	59, 23.932, 346.196
Yxy	27.2032, 0.3432, 0.2933
Android (android.graphics.Color)	4289888409 (0xFFB28099)
YUV	145.8000, 3.5496, 28.2394
Hunter-Lab	52.1567, 17.6567, -1.8110

Details

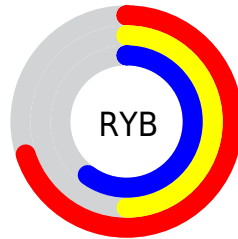
The XYZ color **31.8290, 27.2032, 33.7102** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5733, 38.7305, 36.0030**, and the grayscale version is **27.2201, 28.6376, 31.1864**.

A 20% lighter version of the original color is **61.7180, 55.0452, 66.4034**, and **13.4348, 10.6932, 13.9263** is the 20% darker color. If you saturate the color by 10%, you get **28.9999, 22.6777, 29.2746**, and if you desaturate by 10%, it is **35.1218, 32.5677, 38.5716**.

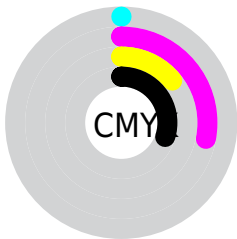
Distribution



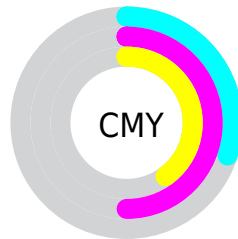
- Red (70%)
- Green (50%)
- Blue (60%)



- Red (70%)
- Yellow (50%)
- Blue (60%)



- Cyan (0%)
- Magenta (28%)
- Yellow (14%)
- Black (30%)



- Cyan (30%)
- Magenta (50%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8290, 27.2032, 33.7102 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 31.8290, 27.2032, 33.7102 by changing the saturation by 10% instead.

■ 31.8290, 27.2032,
33.7102

■ 31.8290, 27.2032,
33.7102

302.0987,
288.6396, 333.5675

■ 21.3858, 17.7259,
22.3955

■ 61.9099, 55.2098,
66.6115

■ 13.5204, 10.7534,
13.9467

■ 82.2784, 74.5078,
89.0352

■ 7.8673, 5.9012,
7.9453

■ 106.6860, 97.8482,
115.9989

■ 4.0613, 2.7851,
3.9727

135.4981,
125.6154, 147.9212

■ 1.7368, 1.0206,
1.6104

169.0801,
158.1937, 185.2207

■ 0.4792, 0.0000,
0.2982

207.7973,

■ 0.0000, 0.0000,

195.9676, 228.3159

0.0000

252.0150,
239.3215, 277.6253

■ 31.8290, 27.2032,
33.7102

■ 31.8290, 27.2032,
33.7102

■ 28.9999, 22.6777,
29.2746

■ 35.1218, 32.5677,
38.5716

■ 26.6097, 18.9445,
25.2497

■ 38.8968, 38.8073,
43.8697

■ 24.6348, 15.9578,
21.6218

■ 43.1744, 45.9607,
49.6171

■ 23.0481, 13.6657,
18.3758

■ 47.9730, 54.0630,
55.8253

■ 21.8192, 12.0097,
15.4949

■ 53.3101, 63.1474,
62.5053

■ 20.9130, 10.9212,
12.9605

■ 59.2024, 73.2458,
69.6679

■ 20.2724, 10.2890,
10.7467

■ 65.6658, 84.3882,
77.3231

■ 20.1632, 10.1862,
10.3535

■ 67.6026, 86.3780,
83.7767

■ 68.8433, 86.8743,
90.3101

Harmonies

Analogous

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



30.2156, 27.2032, 42.4926



31.8290, 27.2032, 33.7102



31.7579, 27.2032, 25.2742

Triad

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



31.8290, 27.2032, 33.7102



24.2903, 27.2032, 16.4904



22.0889, 27.2032, 43.1117

Complementary

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



31.8290, 27.2032, 33.7102



30.5733, 38.7305, 36.0030

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.



20.7344, 27.2032, 34.4367



31.8290, 27.2032, 33.7102



21.9370, 27.2032, 19.6508

Square

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



31.8290, 27.2032, 33.7102



27.2472, 27.2032, 16.3707



20.6810, 27.2032, 25.8742



24.5126, 27.2032, 48.5847

Rectangle

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



31.8290, 27.2032, 33.7102



30.7610, 27.2032, 20.9471



20.6810, 27.2032, 25.8742



21.5019, 27.2032, 40.4060

Sweetspot

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



31.8298, 27.2044, 33.7108



70.4996, 70.3127, 79.5038



28.8930, 25.4264, 45.5047



15.3796, 15.1797, 17.2841



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.



31.8298, 27.2044, 33.7108



54.2922, 43.8291, 55.8163



29.9765, 26.4631, 23.9515



8.6676, 8.5738, 9.7481



14.4587, 7.3010, 7.5753



0.4844, 0.2415, 0.3934

Inverse Universe

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



31.8298, 27.2044, 33.7108



54.2922, 43.8291, 55.8163



32.8592, 39.6449, 48.0401



8.6676, 8.5738, 9.7481



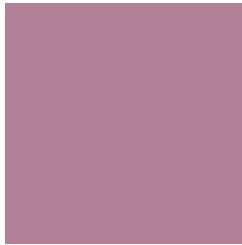
14.4587, 7.3010, 7.5753



0.4844, 0.2415, 0.3934

Previews

White Background



This preview shows how the XYZ color 31.8290, 27.2032, 33.7102 looks on a white background.

Color Contrast Check

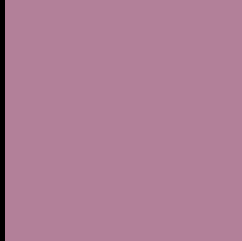
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8290, 27.2032, 33.7102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

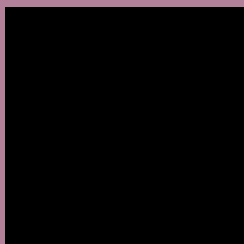
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8290, 27.2032, 33.7102

Background



This preview shows how black text looks on a background with the XYZ color 31.8290, 27.2032, 33.7102.



This preview shows how white text looks on a background with the XYZ color 31.8290, 27.2032,

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

31.8290, 27.2032, 33.7102

Protanopia

27.0098, 27.5301, 38.0727

Deuteranopia

27.9554, 27.4719, 33.1074



Tritanopia

30.6208, 27.0888, 28.4257

Trichromacy



Original Color

31.8290, 27.2032, 33.7102

Protanomaly

28.5301, 27.2645, 36.5598

Deuteranomaly

29.2318, 27.2763, 33.4299

Tritanomaly

31.0926, 27.0920, 30.3786

Monochromacy



Original Color

31.8290, 27.2032, 33.7102

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.7580, 27.9043, 32.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8290, 27.2032, 33.7102 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, 128, 153)` looks like.

```
.text, #text, p{  
    color:rgb(178, 128, 153)  
}
```

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, 128, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 128, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.8290, 27.2032, 33.7102 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, 128, 153) }
```


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

```
.border{ border-color:rgb(178, 128, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 128, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 128, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 128, 153);  
box-shadow:4px 4px 4px 4px rgb(178, 128,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8290, 27.2032, 33.7102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 128, 153) }
```

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

```
.background{ background-color: rgb(178,  
128, 153) }
```

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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