

Converting Colors

XYZ(31.2412, 30.4025, 26.3598)

Have a look what the booklet for
XYZ(31.2412, 30.4025, 26.3598)
contains.

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Color

**XYZ(31.2202, 30.4106,
26.4147)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9085
RGB	172, 144, 133
RGB Percent	67%, 56%, 52%
CMY	0.3255, 0.4353, 0.4784
CMYK	0.00, 0.16, 0.23, 0.33
HSL	17°, 19%, 60%
HSV	17°, 23%, 67%
XYZ	31.2202, 30.4106, 26.4147
YIQ	151.1180, 20.2190, 2.5150

Conversions

Conversions Part 2

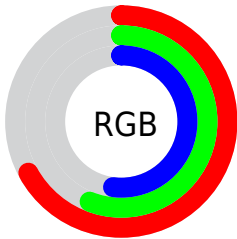
Format	Color
RYB	172, 148, 133
Decimal	11309189
CIELab	62.01, 8.75, 9.76
CIELCh	62, 13.107, 48.119
Yxy	30.4106, 0.3546, 0.3454
Android (android.graphics.Color)	4289499269 (0xFFAC9085)
YUV	151.1180, -8.9322, 18.3135
Hunter-Lab	55.1458, 4.5507, 10.2023

Details

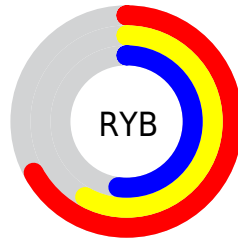
The XYZ color **31.2202, 30.4106, 26.4147** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **29.8640, 33.4542, 43.9134**, and the grayscale version is **29.4976, 31.0337, 33.7957**.

A 20% lighter version of the original color is **61.0519, 60.4273, 54.9002**, and **13.2107, 12.5674, 10.1170** is the 20% darker color. If you saturate the color by 10%, you get **28.3590, 26.4366, 20.0705**, and if you desaturate by 10%, it is **34.4822, 34.8743, 33.8532**.

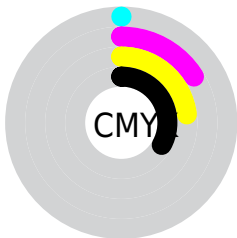
Distribution



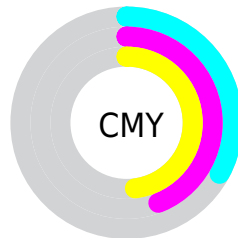
- Red (67%)
- Green (56%)
- Blue (52%)



- Red (67%)
- Yellow (58%)
- Blue (52%)



- Cyan (0%)
- Magenta (16%)
- Yellow (23%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2202, 30.4106, 26.4147 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 31.2202, 30.4106, 26.4147 by changing the saturation by 10% instead.

■ 31.2202, 30.4106,
26.4147

■ 31.2202, 30.4106,
26.4147

299.3603,
303.8137, 298.4819

■ 20.9192, 20.1505,
16.9056

■ 60.9601, 60.3109,
54.9355

■ 13.1771, 12.5045,
10.0060

■ 81.1297, 80.7199,
74.7842

■ 7.6285, 7.0882,
5.2973

■ 105.3196,
105.2806, 98.9166

■ 3.9079, 3.5173,
2.3609

133.8951,
134.3774, 127.7512

■ 1.6502, 1.4074,
0.7651

167.2215,
168.3947, 161.7064

■ 0.4248, 0.2222,
0.0000

205.6643,

■ 0.0000, 0.0000,

207.7169, 201.2010

0.0000

249.5888,
252.7285, 246.6533

■ 31.2202, 30.4106,
26.4147

■ 31.2202, 30.4106,
26.4147

■ 28.3590, 26.4366,
20.0705

■ 34.4822, 34.8743,
33.8532

■ 25.8802, 22.9313,
14.7668

■ 38.1577, 39.8397,
42.4328

■ 23.7674, 19.8783,
10.4479

■ 42.2617, 45.3233,
52.1995

■ 22.0021, 17.2583,
7.0521

■ 46.8078, 51.3399,
63.1966

■ 20.5640, 15.0509,
4.5107

■ 51.8089, 57.9035,
75.4648

■ 19.4303, 13.2337,
2.7453

■ 57.2775, 65.0275,
89.0433

■ 18.5751, 11.7819,
1.6625

■ 63.2255, 72.7250,
103.9694

■ 18.0920, 10.9279,
1.1557

■ 67.0493, 79.9625,
106.5082

■ 70.8234, 87.5107,
107.7662

Harmonies

Analogous

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



32.2375, 30.4106, 30.1917



31.2202, 30.4106, 26.4147



29.6059, 30.4106, 24.5134

Triad

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



31.2202, 30.4106, 26.4147



25.7211, 30.4106, 31.1586



29.9684, 30.4106, 43.1912

Complementary

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



31.2202, 30.4106, 26.4147



29.8640, 33.4542, 43.9134

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.



28.2140, 30.4106, 43.5175



31.2202, 30.4106, 26.4147



25.8093, 30.4106, 36.2147

Square

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



31.2202, 30.4106, 26.4147



26.4600, 30.4106, 27.0606



26.7060, 30.4106, 40.8552



31.4948, 30.4106, 40.0043

Rectangle

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



31.2202, 30.4106, 26.4147



28.4296, 30.4106, 24.4232



26.7060, 30.4106, 40.8552



29.3844, 30.4106, 43.6500

Sweetspot

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



31.2210, 30.4120, 26.4153



66.1605, 68.1502, 69.7891



31.8873, 28.1406, 37.7477



14.2960, 14.6996, 14.9748



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.



31.2210, 30.4120, 26.4153



54.0531, 51.5942, 42.1428



34.3267, 36.6234, 27.4506



8.1824, 8.3696, 8.3976



13.5045, 8.2146, 0.8738



0.4225, 0.3221, 0.0399

Inverse Universe

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



29.8640, 33.4542, 43.9134



51.1671, 58.0503, 79.3138



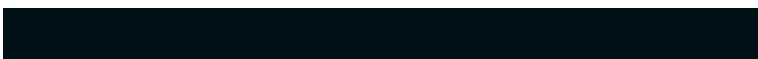
26.8076, 27.3413, 42.8946



8.0425, 8.6843, 10.2051



10.9043, 12.9425, 30.9679



0.3466, 0.4465, 0.8759

Previews

White Background



This preview shows how the XYZ color 31.2202, 30.4106, 26.4147 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.2202, 30.4106, 26.4147 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 ✓ Pass

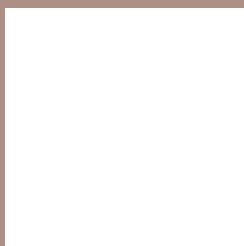
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2202, 30.4106, 26.4147

Background



This preview shows how black text looks on a background with the XYZ color 31.2202, 30.4106, 26.4147.



This preview shows how white text looks on a background with the XYZ color 31.2202, 30.4106,

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

31.2202, 30.4106, 26.4147

Protanopia

28.9017, 30.3404, 27.6255

Deuteranopia

31.1536, 30.6022, 26.4551



Tritanopia

32.6479, 30.3154, 33.8365

Trichromacy



Original Color

31.2202, 30.4106, 26.4147

Protanomaly

29.7072, 30.2981, 27.2040

Deuteranomaly

31.1536, 30.6022, 26.4551

Tritanomaly

32.0174, 30.2746, 30.9441

Monochromacy



Original Color

31.2202, 30.4106, 26.4147

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9220, 30.5644, 30.7080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2202, 30.4106, 26.4147 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, 144, 133)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 133)  
}
```

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, 144, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 133) }
```

Border

The CSS property to change the border of an element to XYZ 31.2202, 30.4106, 26.4147 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, 144, 133) }
```


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

```
.border{ border-color:rgb(172, 144, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 133);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2202, 30.4106, 26.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 133) }
```

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

```
.background{ background-color: rgb(172,  
144, 133) }
```

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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