

Converting Colors

XYZ(31.3035, 28.7210, 34.2444)

Have a look what the booklet for
XYZ(31.3035, 28.7210, 34.2444)
contains.

XYZ(31.2730, 28.7373, 34.0356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2730, 28.7373,
34.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8999
RGB	170, 137, 153
RGB Percent	67%, 54%, 60%
CMY	0.3333, 0.4627, 0.4000
CMYK	0.00, 0.19, 0.10, 0.33
HSL	331°, 16%, 60%
HSV	331°, 19%, 67%
XYZ	31.2730, 28.7373, 34.0356
YIQ	148.6910, 14.5320, 11.9720

Conversions

Conversions Part 2

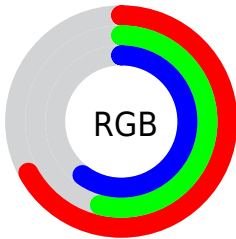
Format	Color
RYB	170, 137, 153
Decimal	11176345
CIELab	60.55, 15.23, -3.75
CIELCh	61, 15.684, 346.157
Yxy	28.7373, 0.3325, 0.3056
Android (android.graphics.Color)	4289366425 (0xFFAA8999)
YUV	148.6910, 2.1243, 18.6880
Hunter-Lab	53.6072, 10.3196, -0.1186

Details

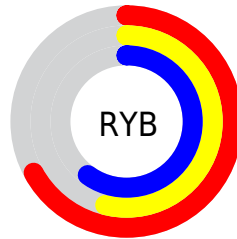
The XYZ color **31.2730, 28.7373, 34.0356** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.5251, 36.4017, 35.9909**, and the grayscale version is **28.4251, 29.9054, 32.5670**.

A 20% lighter version of the original color is **61.2573, 57.9353, 66.9855**, and **13.1426, 11.5576, 14.1085** is the 20% darker color. If you saturate the color by 10%, you get **28.3473, 24.0011, 29.6215**, and if you desaturate by 10%, it is **34.6342, 34.2588, 38.8576**.

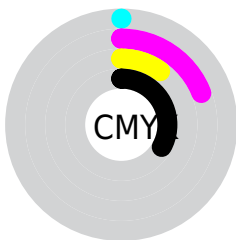
Distribution



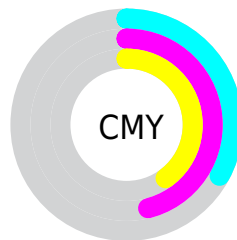
- Red (67%)
- Green (54%)
- Blue (60%)



- Red (67%)
- Yellow (54%)
- Blue (60%)



- Cyan (0%)
- Magenta (19%)
- Yellow (10%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2730, 28.7373, 34.0356 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 31.2730, 28.7373, 34.0356 by changing the saturation by 10% instead.

■ 31.2730, 28.7373,
34.0356

■ 31.2730, 28.7373,
34.0356

299.5985,
295.9734, 335.0648

■ 20.9597, 18.8822,
22.6434

■ 61.0425, 57.6594,
67.1236

■ 13.2068, 11.5852,
14.1276

■ 81.2295, 77.4953,
89.6564

■ 7.6491, 6.4619,
8.0697

■ 105.4383,
101.4268, 116.7398

■ 3.9211, 3.1279,
4.0512

134.0344,
129.8384, 148.7923

■ 1.6576, 1.1989,
1.6535

167.3831,
163.1144, 186.2325

■ 0.4295, 0.0608,
0.3285

205.8498,

■ 0.0000, 0.0000,

201.6394, 229.4790

0.0000

249.7998,
245.7976, 278.9502

■ 31.2730, 28.7373,
34.0356

■ 31.2730, 28.7373,
34.0356

■ 28.3473, 24.0011,
29.6215

■ 34.6342, 34.2588,
38.8576

■ 25.8357, 20.0104,
25.6015

■ 38.4462, 40.5955,
44.0969

■ 23.7187, 16.7275,
21.9637

■ 42.7265, 47.7803,
49.7650

■ 21.9742, 14.1101,
18.6947

■ 47.4909, 55.8432,
55.8723

■ 20.5775, 12.1111,
15.7802

■ 52.7545, 64.8128,
62.4287

■ 19.5010, 10.6773,
13.2043

■ 58.5317, 74.7163,
69.4439

■ 18.7124, 9.7462,
10.9498

■ 64.5149, 84.9370,
76.8201

■ 18.1474, 9.1914,
8.9879

■ 65.6662, 85.3975,
82.8826

■ 18.1166, 9.1617,
8.8796

■ 66.8786, 85.8825,
89.2670

Harmonies

Analogous

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



30.2205, 28.7373, 39.6703



31.2730, 28.7373, 34.0356



31.2285, 28.7373, 28.2875

Triad

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



31.2730, 28.7373, 34.0356



26.2444, 28.7373, 21.7521



24.7038, 28.7373, 40.0446

Complementary

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



31.2730, 28.7373, 34.0356



30.5251, 36.4017, 35.9909

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.



23.7410, 28.7373, 34.4979



31.2730, 28.7373, 34.0356



24.5999, 28.7373, 24.1818

Square

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



31.2730, 28.7373, 34.0356



28.2565, 28.7373, 21.6608



23.7040, 28.7373, 28.6962



26.3926, 28.7373, 43.4187

Rectangle

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



31.2730, 28.7373, 34.0356



30.5810, 28.7373, 25.1593



23.7040, 28.7373, 28.6962



24.2883, 28.7373, 38.3436

Sweetspot

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



31.2738, 28.7386, 34.0362



65.0305, 65.7868, 73.5554



29.4339, 27.6161, 41.8097



14.4077, 14.5143, 16.2724



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.



31.2738, 28.7386, 34.0362



54.5220, 48.5311, 58.4572



30.0396, 28.2449, 27.5370



7.6769, 7.6006, 8.6160



13.3547, 6.7506, 6.6792



0.3509, 0.1746, 0.2992

Inverse Universe

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



31.2738, 28.7386, 34.0362



54.5220, 48.5311, 58.4572



31.9478, 36.9707, 43.4828



7.6769, 7.6006, 8.6160



13.3547, 6.7506, 6.6792



0.3509, 0.1746, 0.2992

Previews

White Background



This preview shows how the XYZ color 31.2730, 28.7373, 34.0356 looks on a white background.

Color Contrast Check

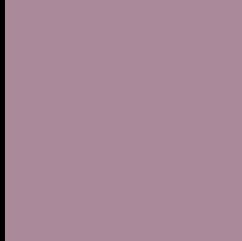
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2730, 28.7373, 34.0356 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 31.2730, 28.7373, 34.0356

Background



This preview shows how black text looks on a background with the XYZ color 31.2730, 28.7373, 34.0356.



This preview shows how white text looks on a background with the XYZ color 31.2730, 28.7373,

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

31.2730, 28.7373, 34.0356

Protanopia

27.9740, 28.7392, 36.4206

Deuteranopia

29.4410, 28.8821, 33.7289



Tritanopia

30.7960, 28.7501, 31.9432

Trichromacy



Original Color

31.2730, 28.7373, 34.0356

Protanomaly

29.0002, 28.6163, 35.4475

Deuteranomaly

29.9459, 28.7045, 33.6680

Tritanomaly

30.9557, 28.8140, 32.7843

Monochromacy



Original Color

31.2730, 28.7373, 34.0356

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.5350, 29.6209, 33.0149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2730, 28.7373, 34.0356 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(170, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(170, 137, 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(170, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.2730, 28.7373, 34.0356 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(170, 137, 153) }
```


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

```
.border{ border-color:rgb(170, 137, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(170, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2730, 28.7373, 34.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 137, 153) }
```

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

```
.background{ background-color: rgb(170,  
137, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor