

Converting Colors

XYZ(37.4217, 42.4382, 31.9411)

Have a look what the booklet for
XYZ(37.4217, 42.4382, 31.9411)
contains.

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Color

**XYZ(37.3804, 42.3398,
31.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB28E
RGB	170, 178, 142
RGB Percent	67%, 70%, 56%
CMY	0.3333, 0.3019, 0.4431
CMYK	0.04, 0.00, 0.20, 0.30
HSL	73°, 19%, 63%
HSV	73°, 20%, 70%
XYZ	37.3804, 42.3398, 31.7934
YIQ	171.5040, 6.7880, -12.8920

Conversions

Conversions Part 2

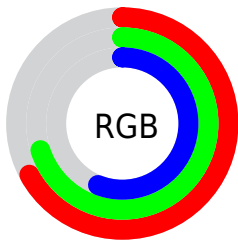
Format	Color
RYB	142, 178, 150
Decimal	11186830
CIELab	71.10, -9.12, 17.50
CIELCh	71, 19.730, 117.536
Yxy	42.3398, 0.3352, 0.3797
Android (android.graphics.Color)	4289376910 (0xFFAAB28E)
YUV	171.5040, -14.5455, -1.3190
Hunter-Lab	65.0690, -11.3274, 16.5786

Details

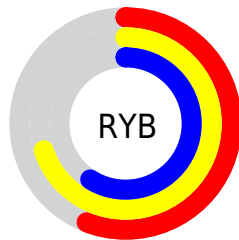
The XYZ color **37.3804, 42.3398, 31.7934** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.2882, 29.0455, 46.1318**, and the grayscale version is **39.0317, 41.0644, 44.7192**.

A 20% lighter version of the original color is **70.4380, 78.8387, 63.7295**, and **16.7366, 19.2915, 12.9667** is the 20% darker color. If you saturate the color by 10%, you get **35.3070, 41.4145, 25.2684**, and if you desaturate by 10%, it is **39.6952, 43.3675, 39.4455**.

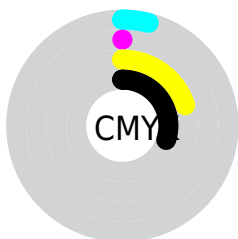
Distribution



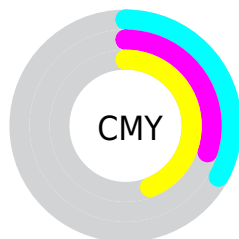
- Red (67%)
- Green (70%)
- Blue (56%)



- Red (56%)
- Yellow (70%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)





- Cyan (33%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3804, 42.3398, 31.7934 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 37.3804, 42.3398, 31.7934 by changing the saturation by 10% instead.


 37.3804, 42.3398,
31.7934


 37.3804, 42.3398,
31.7934


326.2815,
355.8896, 324.6407


 25.6772, 29.3675,
20.9402


 70.4675, 78.7136,
63.5812

 16.7137, 19.3590,
12.8895


 92.5821, 102.8839,
85.3529

 10.1246, 11.9299,
7.2227


 118.8978,
131.5556, 111.6012

 5.5446, 6.6960,
3.5212

149.7801,
165.1132, 142.7447

 2.6082, 3.2727,
1.3665

185.5943,
203.9410, 179.2018

 0.9501, 1.2757,
0.1154

226.7056,

 0.0000, 0.1223,

248.4234, 221.3912

0.0000

273.4796,
298.9448, 269.7313

■ 0.0000, 0.0000,
0.0000

■ 37.3804, 42.3398,
31.7934

■ 37.3804, 42.3398,
31.7934

■ 35.3070, 41.4145,
25.2684

■ 39.6952, 43.3675,
39.4455

■ 33.4614, 40.5819,
19.8146

■ 42.2579, 44.4959,
48.2718

■ 31.8335, 39.8392,
15.3753

■ 45.0785, 45.7304,
58.3198

■ 30.4112, 39.1817,
11.8876

■ 48.1656, 47.0747,
69.6338

■ 29.1809, 38.6039,
9.2814

■ 51.5276, 48.5320,
82.2558

■ 28.1273, 38.0996,
7.4771

■ 55.1721, 50.1054,
96.2258

■ 27.2324, 37.6616,
6.3809

■ 57.1813, 51.0278,
101.4433

■ 26.4740, 37.2827,
5.8009

■ 58.2361, 51.5715,
101.4927

■ 59.3184, 52.1295,
101.5433

Harmonies

Analogous

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



40.5161, 42.3398, 30.2264



37.3804, 42.3398, 31.7934



35.1237, 42.3398, 37.0195

Triad

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



37.3804, 42.3398, 31.7934



36.9324, 42.3398, 63.1931



46.9198, 42.3398, 46.8865

Complementary

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



37.3804, 42.3398, 31.7934



30.2882, 29.0455, 46.1318

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.



45.8364, 42.3398, 56.5578



37.3804, 42.3398, 31.7934



39.9705, 42.3398, 66.7406

Square

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



37.3804, 42.3398, 31.7934



34.8751, 42.3398, 55.0212



43.2475, 42.3398, 64.1621



46.1346, 42.3398, 38.2008

Rectangle

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



37.3804, 42.3398, 31.7934



34.3604, 42.3398, 42.2894



43.2475, 42.3398, 64.1621



46.7608, 42.3398, 50.1347

Sweetspot

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



37.3815, 42.3417, 31.7943



73.8409, 79.4606, 77.8624



34.1185, 33.1681, 30.1956



16.2942, 17.5757, 17.0268



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.



37.3815, 42.3417, 31.7943



66.1577, 76.0542, 52.4533



33.7907, 40.4905, 31.6263



9.0086, 9.8095, 9.0711



18.9970, 26.7034, 4.1530



0.6435, 0.8638, 0.1328

Inverse Universe

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



30.2882, 29.0455, 46.1318



51.0898, 47.8058, 82.9159



33.8162, 30.8643, 46.2969



8.2128, 8.3182, 10.6790



6.4099, 2.6402, 30.3088



0.2519, 0.1089, 0.9560

Previews

White Background



This preview shows how the XYZ color 37.3804, 42.3398, 31.7934 looks on a white background.

Color Contrast Check

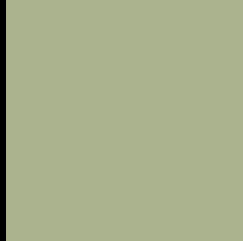
Large Text (above 18pt) WCAG AA × Fail

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 37.3804, 42.3398, 31.7934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

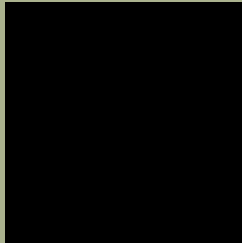
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3804, 42.3398, 31.7934

Background



This preview shows how black text looks on a background with the XYZ color 37.3804, 42.3398, 31.7934.



This preview shows how white text looks on a background with the XYZ color 37.3804, 42.3398,

31.7934.

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

37.3804, 42.3398, 31.7934

Protanopia

39.8773, 42.4798, 30.9086

Deuteranopia

42.9402, 42.0686, 32.2424



Tritanopia

41.5199, 42.2803, 52.4270

Trichromacy



Original Color

37.3804, 42.3398, 31.7934

Protanomaly

38.9601, 42.2863, 31.3080

Deuteranomaly

40.7560, 42.0561, 31.9562

Tritanomaly

39.8473, 42.1731, 44.0702

Monochromacy



Original Color

37.3804, 42.3398, 31.7934

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.3637, 41.5032, 39.7072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3804, 42.3398, 31.7934 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, 178, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 142)  
}
```

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, 178, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 142) }
```

Border

The CSS property to change the border of an element to XYZ 37.3804, 42.3398, 31.7934 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, 178, 142) }
```


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

```
.border{ border-color:rgb(170, 178, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 142);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3804, 42.3398, 31.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 142) }
```

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

```
.background{ background-color: rgb(170,  
178, 142) }
```

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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