

Converting Colors

XYZ(37.2316, 42.2803, 31.0095)

Have a look what the booklet for
XYZ(37.2316, 42.2803, 31.0095)
contains.

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Color

**XYZ(37.2316, 42.2803,
31.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	AAB28C
RGB	170, 178, 140
RGB Percent	67%, 70%, 55%
CMY	0.3333, 0.3019, 0.4510
CMYK	0.04, 0.00, 0.21, 0.30
HSL	73°, 20%, 62%
HSV	73°, 21%, 70%
XYZ	37.2316, 42.2803, 31.0095
YIQ	171.2760, 7.4300, -13.5140

Conversions

Conversions Part 2

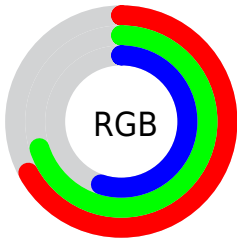
Format	Color
RYB	140, 178, 148
Decimal	11186828
CIELab	71.06, -9.43, 18.52
CIELCh	71, 20.787, 116.984
Yxy	42.2803, 0.3369, 0.3826
Android (android.graphics.Color)	4289376908 (0xFFAAB28C)
YUV	171.2760, -15.4191, -1.1191
Hunter-Lab	65.0233, -11.5837, 17.2410

Details

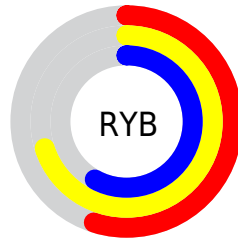
The XYZ color **37.2316, 42.2803, 31.0095** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.6283, 28.2675, 46.0164**, and the grayscale version is **38.9209, 40.9478, 44.5922**.

A 20% lighter version of the original color is **70.5245, 78.9094, 62.5529**, and **16.6503, 19.2570, 12.5123** is the 20% darker color. If you saturate the color by 10%, you get **35.2253, 41.3869, 24.6096**, and if you desaturate by 10%, it is **39.4756, 43.2743, 38.5306**.

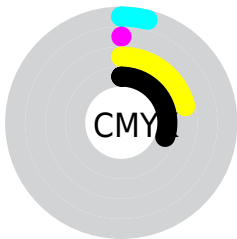
Distribution



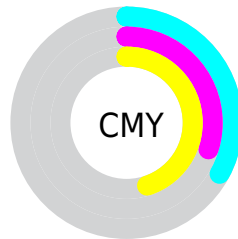
- Red (67%)
- Green (70%)
- Blue (55%)



- Red (55%)
- Yellow (70%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2316, 42.2803, 31.0095 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 37.2316, 42.2803, 31.0095 by changing the saturation by 10% instead.

■ 37.2316, 42.2803,
31.0095

■ 37.2316, 42.2803,
31.0095

325.6503,
355.6436, 320.9346

■ 25.5614, 29.3208,
20.3476

■ 70.2404, 78.6237,
62.3348

■ 16.6267, 19.3237,
12.4614

■ 92.3096, 102.7764,
83.8352

■ 10.0624, 11.9044,
6.9324

■ 118.5759,
131.4289, 109.7855

■ 5.5029, 6.6786,
3.3420

149.4045,
164.9658, 140.6043

■ 2.5830, 3.2619,
1.2718

185.1610,
203.7712, 176.7100

■ 0.9373, 1.2700,
0.0385

226.2105,

■ 0.0000, 0.1178,

248.2298, 218.5213

0.0000

272.9185,
298.7258, 266.4567

■ 0.0000, 0.0000,
0.0000

■ 37.2316, 42.2803,
31.0095

■ 37.2316, 42.2803,
31.0095

■ 35.2253, 41.3869,
24.6096

■ 39.4756, 43.2743,
38.5306

■ 33.4430, 40.5843,
19.2746

■ 41.9637, 44.3672,
47.2203

■ 31.8746, 39.8699,
14.9471

■ 44.7061, 45.5645,
57.1265

■ 30.5077, 39.2388,
11.5636

■ 47.7114, 46.8697,
68.2938

■ 29.3288, 38.6854,
9.0531

■ 50.9878, 48.2862,
80.7642

■ 28.3223, 38.2035,
7.3348

■ 54.5432, 49.8170,
94.5782

■ 27.4697, 37.7857,
6.3125

■ 56.7996, 50.8310,
101.4254

■ 26.8235, 37.4628,
5.8173

■ 57.7886, 51.3408,
101.4717

■ 58.8022, 51.8634,
101.5192

Harmonies

Analogous

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



40.5386, 42.2803, 29.4566



37.2316, 42.2803, 31.0095



34.8426, 42.2803, 36.3816

Triad

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



37.2316, 42.2803, 31.0095



36.6562, 42.2803, 64.0072



47.2306, 42.2803, 47.0498

Complementary

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



37.2316, 42.2803, 31.0095



29.6283, 28.2675, 46.0164

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.



46.0499, 42.2803, 57.2631



37.2316, 42.2803, 31.0095



39.8358, 42.2803, 67.8978

Square

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



37.2316, 42.2803, 31.0095



34.5241, 42.2803, 55.2707



43.2930, 42.2803, 65.2691



46.4358, 42.2803, 37.8920

Rectangle

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



37.2316, 42.2803, 31.0095



34.0245, 42.2803, 41.8615



43.2930, 42.2803, 65.2691



47.0501, 42.2803, 50.4793

Sweetspot

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



37.2327, 42.2822, 31.0104



73.8929, 79.4874, 77.8649



33.6224, 32.4142, 29.2960



16.3069, 17.5823, 17.0274



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.



37.2327, 42.2822, 31.0104



65.6067, 75.8224, 50.0647



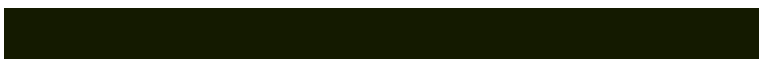
33.4923, 40.3539, 30.8354



9.0184, 9.8145, 9.0716



19.2451, 26.8313, 4.1646



0.6495, 0.8669, 0.1331

Inverse Universe

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



29.6283, 28.2675, 46.0164



49.1401, 45.4692, 82.5676



33.2673, 30.1435, 46.1867



8.2037, 8.3135, 10.6786



6.3524, 2.6106, 30.3061



0.2481, 0.1070, 0.9558

Previews

White Background



This preview shows how the XYZ color 37.2316, 42.2803, 31.0095 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 37.2316, 42.2803, 31.0095 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

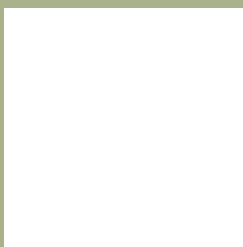
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2316, 42.2803, 31.0095

Background



This preview shows how black text looks on a background with the XYZ color 37.2316, 42.2803, 31.0095.



This preview shows how white text looks on a background with the XYZ color 37.2316, 42.2803,

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

37.2316, 42.2803, 31.0095

Protanopia

39.5386, 42.0364, 30.0747

Deuteranopia

42.7886, 42.0079, 31.4443



Tritanopia

41.4140, 42.2379, 51.8689

Trichromacy



Original Color

37.2316, 42.2803, 31.0095

Protanomaly

38.8126, 42.2273, 30.5311

Deuteranomaly

40.6058, 41.9961, 31.1652

Tritanomaly

39.7530, 42.1353, 43.5738

Monochromacy



Original Color

37.2316, 42.2803, 31.0095

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.2758, 41.4681, 39.2445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2316, 42.2803, 31.0095 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 140) }
```

Border

The CSS property to change the border of an element to XYZ 37.2316, 42.2803, 31.0095 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, 140) }
```


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

```
.border{ border-color:rgb(170, 178, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 140);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2316, 42.2803, 31.0095 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, 140) }
```

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

```
.background{ background-color: rgb(170,  
178, 140) }
```

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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