

Converting Colors

XYZ(37.3510, 40.1880, 30.4561)

Have a look what the booklet for
XYZ(37.3510, 40.1880, 30.4561)
contains.

XYZ(37.2398, 39.9900, 30.5670)	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(37.2398, 39.9900,
30.5670)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AA8C
RGB	177, 170, 140
RGB Percent	69%, 67%, 55%
CMY	0.3059, 0.3333, 0.4510
CMYK	0.00, 0.04, 0.21, 0.31
HSL	49°, 19%, 62%
HSV	49°, 21%, 69%
XYZ	37.2398, 39.9900, 30.5670
YIQ	168.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

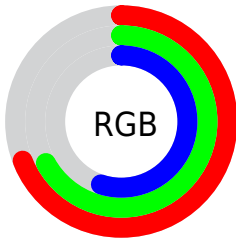
Format	Color
R_{YB}	149, 177, 140
Decimal	11643532
CIE Lab	69.46, -2.50, 16.39
CIE LCh	69, 16.582, 98.681
Yxy	39.9900, 0.3455, 0.3710
Android (android.graphics.Color)	4289833612 (0xFFB1AA8C)
YUV	168.6730, -14.1358, 7.3028
Hunter-Lab	63.2376, -5.5496, 15.6075

Details

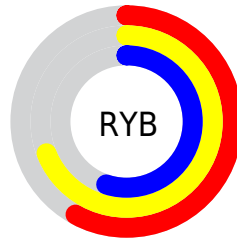
The XYZ color **37.2398, 39.9900, 30.5670** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.1846, 29.6165, 45.7736**, and the grayscale version is **37.6142, 39.5731, 43.0951**.

A 20% lighter version of the original color is **70.2671, 75.0691, 61.8253**, and **16.6361, 17.9801, 12.2666** is the 20% darker color. If you saturate the color by 10%, you get **35.4192, 38.2720, 24.0308**, and if you desaturate by 10%, it is **39.2885, 41.8276, 38.2160**.

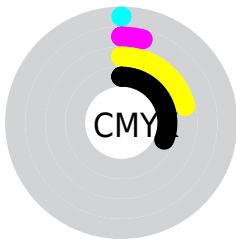
Distribution



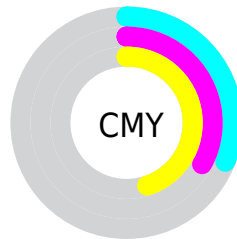
- Red (69%)
- Green (67%)
- Blue (55%)



- Red (58%)
- Yellow (69%)
- Blue (55%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (31%)



- Cyan (31%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2398, 39.9900, 30.5670 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 37.2398, 39.9900, 30.5670 by changing the saturation by 10% instead.

■ 37.2398, 39.9900,
30.5670

■ 37.2398, 39.9900,
30.5670

325.6851,
346.0814, 318.8277

■ 25.5677, 27.5307,
20.0137

■ 70.2529, 75.1483,
61.6293

■ 16.6315, 17.9722,
12.2208

■ 92.3246, 98.6161,
82.9753

■ 10.0658, 10.9301,
6.7699

■ 118.5936,
126.5222, 108.7559

■ 5.5052, 6.0198,
3.2423

149.4252,
159.2511, 139.3898

■ 2.5844, 2.8571,
1.2197

185.1848,
197.1870, 175.2953

■ 0.9380, 1.0576,
0.0000

226.2378,

■ 0.0000, 0.0000,

240.7145, 216.8911

0.0000

272.9494,
290.2178, 264.5957

■ 37.2398, 39.9900,
30.5670

■ 37.2398, 39.9900,
30.5670

■ 35.4192, 38.2720,
24.0308

■ 39.2885, 41.8276,
38.2160

■ 33.8134, 36.6638,
18.5521

■ 41.5715, 43.7833,
47.0244

■ 32.4124, 35.1628,
14.0745

■ 44.0989, 45.8626,
57.0396

■ 31.2043, 33.7640,
10.5355

■ 46.8790, 48.0692,
68.3051

■ 30.1758, 32.4617,
7.8655

■ 49.9198, 50.4063,
80.8627

■ 29.3116, 31.2498,
5.9853

■ 53.2290, 52.8773,
94.7520

■ 28.5939, 30.1210,
4.8010

■ 55.3472, 54.8984,
102.2871

■ 28.0341, 29.1523,
4.1494

■ 56.0976, 56.3993,
102.5372

■ 56.8650, 57.9340,
102.7930

Harmonies

Analogous

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



39.9061, 39.9900, 31.2333



37.2398, 39.9900, 30.5670



34.8907, 39.9900, 33.0452

Triad

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



37.2398, 39.9900, 30.5670



34.1415, 39.9900, 53.3912



42.9943, 39.9900, 49.1084

Complementary

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



37.2398, 39.9900, 30.5670



29.1846, 29.6165, 45.7736

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.



41.3084, 39.9900, 56.0557



37.2398, 39.9900, 30.5670



36.1735, 39.9900, 58.7227

Square

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



37.2398, 39.9900, 30.5670



33.1576, 39.9900, 45.7990



38.7893, 39.9900, 59.7509



43.3126, 39.9900, 41.3610

Rectangle

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



37.2398, 39.9900, 30.5670



33.7907, 39.9900, 36.3393



38.7893, 39.9900, 59.7509



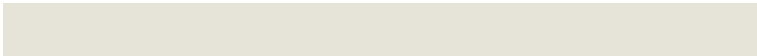
42.5651, 39.9900, 51.6393

Sweetspot

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



37.2409, 39.9918, 30.5678



72.2734, 76.5658, 75.7523



32.8078, 30.2229, 31.8735



15.6073, 16.5454, 16.2031



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.2409, 39.9918, 30.5678



65.1719, 70.2050, 49.2087



36.1610, 41.4342, 30.9032



9.0578, 9.6281, 9.0335



20.3533, 21.2052, 3.0203



0.6756, 0.7377, 0.1068

Inverse Universe

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



29.1846, 29.6165, 45.7736



48.1816, 48.3261, 81.2837



30.0954, 28.5199, 45.5139



8.1677, 8.4816, 10.7130



6.1874, 3.1752, 30.4238



0.2332, 0.1770, 0.9701

Previews

White Background



This preview shows how the XYZ color 37.2398, 39.9900, 30.5670 looks on a white background.

Color Contrast Check

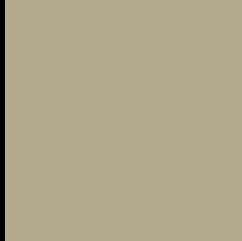
Large Text (above 18pt) WCAG AA × Fail

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 37.2398, 39.9900, 30.5670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

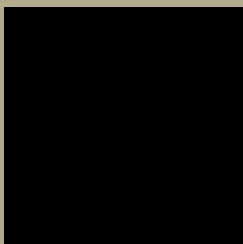
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

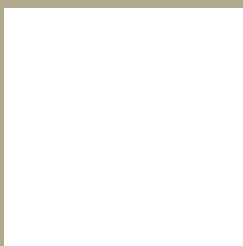
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2398, 39.9900, 30.5670

Background



This preview shows how black text looks on a background with the XYZ color 37.2398, 39.9900, 30.5670.



This preview shows how white text looks on a background with the XYZ color 37.2398, 39.9900,

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

37.2398, 39.9900, 30.5670

Protanopia

37.5120, 39.8531, 30.5263

Deuteranopia

40.6699, 39.8532, 30.7482



Tritanopia

40.7824, 40.0697, 47.7042

Trichromacy



Original Color

37.2398, 39.9900, 30.5670

Protanomaly

37.2817, 39.7344, 30.5155

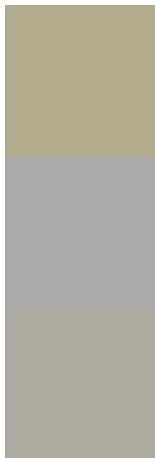
Deuteranomaly

39.4302, 40.0143, 30.8446

Tritanomaly

39.3419, 40.0211, 40.7733

Monochromacy



Original Color

37.2398, 39.9900, 30.5670

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.3728, 39.6152, 38.0245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2398, 39.9900, 30.5670 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(177, 170, 140)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 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(177, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 140) }
```

Border

The CSS property to change the border of an element to XYZ 37.2398, 39.9900, 30.5670 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(177, 170, 140) }
```


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

```
.border{ border-color:rgb(177, 170, 140) }
```

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

Here you see how a box with a 4 pixel rgb(177, 170, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2398, 39.9900, 30.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 170, 140) }
```

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

```
.background{ background-color: rgb(177,  
170, 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](#).

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