

Converting Colors

XYZ(36.7398, 39.7900, 27.9341)

Have a look what the booklet for
XYZ(36.7398, 39.7900, 27.9341)
contains.

XYZ(36.7398, 39.7900, 27.9341)	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(36.7398, 39.7900,
27.9341)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AA85
RGB	177, 170, 133
RGB Percent	69%, 67%, 52%
CMY	0.3059, 0.3333, 0.4784
CMYK	0.00, 0.04, 0.25, 0.31
HSL	50°, 22%, 61%
HSV	50°, 25%, 69%
XYZ	36.7398, 39.7900, 27.9341
YIQ	167.8750, 16.0490, -10.0230

Conversions

Conversions Part 2

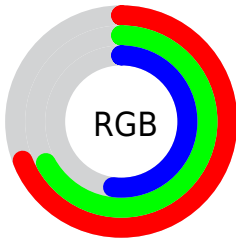
Format	Color
R_{YB}	141, 177, 133
Decimal	11643525
CIE Lab	69.32, -3.53, 20.02
CIE LCh	69, 20.329, 100.007
Yxy	39.7900, 0.3517, 0.3809
Android (android.graphics.Color)	4289833605 (0xFFB1AA85)
YUV	167.8750, -17.1934, 8.0026
Hunter-Lab	63.0793, -6.4236, 17.8995

Details

The XYZ color **36.7398, 39.7900, 27.9341** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.9866, 26.9163, 45.3681**, and the grayscale version is **37.2351, 39.1742, 42.6607**.

A 20% lighter version of the original color is **69.3924, 74.7192, 57.2193**, and **16.3519, 17.8665, 10.7704** is the 20% darker color. If you saturate the color by 10%, you get **35.0970, 38.2991, 21.8534**, and if you desaturate by 10%, it is **38.6021, 41.3895, 35.1056**.

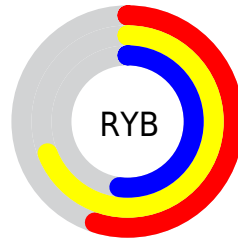
Distribution



Red (69%)

Green (67%)

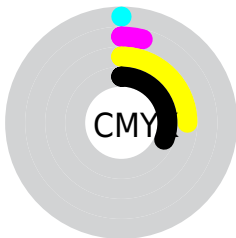
Blue (52%)



Red (55%)

Yellow (69%)

Blue (52%)

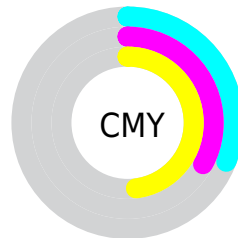


Cyan (0%)

Magenta (4%)

Yellow (25%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7398, 39.7900, 27.9341 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 36.7398, 39.7900, 27.9341 by changing the saturation by 10% instead.

■ 36.7398, 39.7900,
27.9341

■ 36.7398, 39.7900,
27.9341

323.5578,
345.2377, 306.0539

■ 25.1788, 27.3748,
18.0374

■ 69.4888, 74.8436,
57.4010

■ 16.3398, 17.8549,
10.8071

■ 91.4076, 98.2509,
77.8084

■ 9.8573, 10.8459,
5.8247

■ 117.5098,
126.0910, 102.5563

■ 5.3660, 5.9633,
2.6717

148.1606,
158.7483, 132.0633

■ 2.5005, 2.8228,
0.9292

183.7254,
196.6072, 166.7481

■ 0.8955, 1.0399,
0.0000

224.5697,

■ 0.0000, 0.0000,

240.0522, 207.0291

0.0000

271.0587,
289.4675, 253.3248

■ 36.7398, 39.7900,
27.9341

■ 36.7398, 39.7900,
27.9341

■ 35.0970, 38.2991,
21.8534

■ 38.6021, 41.3895,
35.1056

■ 33.6602, 36.9072,
16.8065

■ 40.6904, 43.0962,
43.4160

■ 32.4191, 35.6114,
12.7353

■ 43.0148, 44.9157,
52.9134

■ 31.3613, 34.4067,
9.5747

■ 45.5839, 46.8515,
63.6427

■ 30.4729, 33.2873,
7.2516

■ 48.4059, 48.9069,
75.6462

■ 29.7378, 32.2468,
5.6818

■ 51.4883, 51.0851,
88.9642

■ 29.1364, 31.2771,
4.7628

■ 54.5310, 53.2661,
102.0150

■ 28.8564, 30.7970,
4.4235

■ 55.1453, 54.4946,
102.2198

■ 55.7713, 55.7467,
102.4285

Harmonies

Analogous

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



40.0043, 39.7900, 28.5424



36.7398, 39.7900, 27.9341



33.9288, 39.7900, 30.9714

Triad

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



36.7398, 39.7900, 27.9341



33.2158, 39.7900, 55.9281



44.0244, 39.7900, 49.7605

Complementary

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



36.7398, 39.7900, 27.9341



26.9866, 26.9163, 45.3681

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.



41.9962, 39.7900, 58.5904



36.7398, 39.7900, 27.9341



35.7151, 39.7900, 62.4908

Square

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



36.7398, 39.7900, 27.9341



31.9730, 39.7900, 46.5213



38.9195, 39.7900, 63.5296



44.3378, 39.7900, 40.2777

Rectangle

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



36.7398, 39.7900, 27.9341



32.6432, 39.7900, 34.9516



38.9195, 39.7900, 63.5296



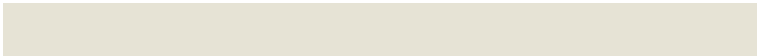
43.5153, 39.7900, 52.9381

Sweetspot

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



36.7408, 39.7918, 27.9349



71.9927, 76.4751, 74.2074



31.2776, 28.0259, 28.7015



15.5542, 16.5348, 15.8905



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.



36.7408, 39.7918, 27.9349



64.0901, 69.7314, 43.6382



34.9242, 40.8543, 28.2358



9.0797, 9.6720, 9.0409



20.9442, 22.3869, 3.2172



0.6898, 0.7659, 0.1115

Inverse Universe

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



26.9866, 26.9163, 45.3681



43.5162, 42.5777, 80.4201



28.4763, 26.2147, 45.1542



8.1475, 8.4412, 10.7062



6.0832, 2.9667, 30.3890



0.2249, 0.1604, 0.9673

Previews

White Background



This preview shows how the XYZ color 36.7398, 39.7900, 27.9341 looks on a white background.

Color Contrast Check

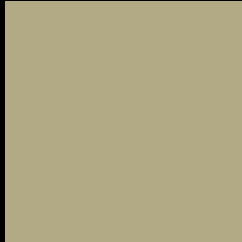
Large Text (above 18pt) WCAG AA × Fail

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 36.7398, 39.7900, 27.9341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

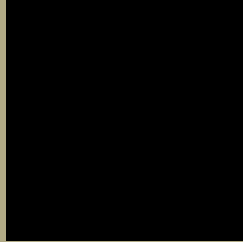
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7398, 39.7900, 27.9341

Background



This preview shows how black text looks on a background with the XYZ color 36.7398, 39.7900, 27.9341.



This preview shows how white text looks on a background with the XYZ color 36.7398, 39.7900,

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

36.7398, 39.7900, 27.9341

Protanopia

37.2440, 39.7727, 27.9042

Deuteranopia

40.4963, 39.8140, 28.4721



Tritanopia

40.7397, 39.7925, 47.1285

Trichromacy



Original Color

36.7398, 39.7900, 27.9341

Protanomaly

37.0120, 39.6531, 27.8934

Deuteranomaly

39.1745, 39.9408, 28.1989

Tritanomaly

39.1253, 39.6694, 39.3130

Monochromacy



Original Color

36.7398, 39.7900, 27.9341

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8989, 39.4004, 36.6706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7398, 39.7900, 27.9341 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(177, 170, 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(177, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 170, 133) }
```

Border

The CSS property to change the border of an element to XYZ 36.7398, 39.7900, 27.9341 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, 133) }
```


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

```
.border{ border-color:rgb(177, 170, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(177, 170,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7398, 39.7900, 27.9341 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, 133) }
```

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

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

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