

Converting Colors

XYZ(36.9480, 41.9524, 31.7303)

Have a look what the booklet for
XYZ(36.9480, 41.9524, 31.7303)
contains.

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Color

**XYZ(36.9668, 41.8323,
31.7173)**

Conversions

Conversions Part 1

Format	Color
Hex	A9B18E
RGB	169, 177, 142
RGB Percent	66%, 69%, 56%
CMY	0.3373, 0.3059, 0.4431
CMYK	0.05, 0.00, 0.20, 0.31
HSL	74°, 18%, 63%
HSV	74°, 20%, 69%
XYZ	36.9668, 41.8323, 31.7173
YIQ	170.6180, 6.4670, -12.5810

Conversions

Conversions Part 2

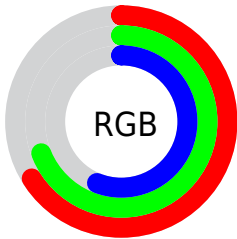
Format	Color
RYB	142, 177, 150
Decimal	11121038
CIELab	70.76, -8.97, 17.00
CIELCh	71, 19.221, 117.823
Yxy	41.8323, 0.3345, 0.3785
Android (android.graphics.Color)	4289311118 (0xFFA9B18E)
YUV	170.6180, -14.1087, -1.4190
Hunter-Lab	64.6779, -11.1642, 16.1994

Details

The XYZ color **36.9668, 41.8323, 31.7173** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.1882, 29.0055, 45.6048**, and the grayscale version is **38.5842, 40.5936, 44.2065**.

A 20% lighter version of the original color is **69.8432, 78.1106, 63.6203**, and **16.4755, 18.9699, 12.9184** is the 20% darker color. If you saturate the color by 10%, you get **34.8874, 40.9032, 25.2251**, and if you desaturate by 10%, it is **39.2863, 42.8634, 39.3241**.

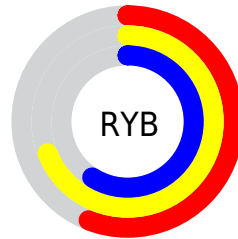
Distribution



Red (66%)

Green (69%)

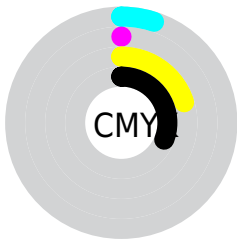
Blue (56%)



Red (56%)

Yellow (69%)

Blue (59%)

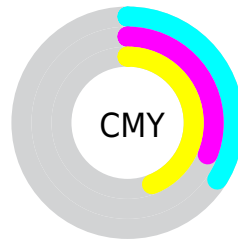


Cyan (5%)

Magenta (0%)

Yellow (20%)

Black (31%)



Cyan (34%)

Magenta (31%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9668, 41.8323, 31.7173 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 36.9668, 41.8323, 31.7173 by changing the saturation by 10% instead.

 36.9668, 41.8323,
31.7173


 36.9668, 41.8323,
31.7173


324.5248,
353.7873, 324.2824

 25.3553, 28.9700,
20.8826


 69.8359, 77.9458,
63.4604

 16.4721, 19.0581,
12.8478


 91.8242, 101.9657,
85.2059

 9.9518, 11.7123,
7.1944


 118.0022,
130.4737, 111.4254

 5.4290, 6.5481,
3.5037

148.7353,
163.8540, 142.5375

 2.5385, 3.1811,
1.3572

184.3887,
202.4911, 178.9607

 0.9147, 1.2270,
0.1080

225.3278,

 0.0000, 0.0836,

246.7695, 221.1136

0.0000

271.9181,
297.0734, 269.4146

■ 0.0000, 0.0000,
0.0000

■ 36.9668, 41.8323,
31.7173

■ 36.9668, 41.8323,
31.7173

■ 34.8874, 40.9032,
25.2251

■ 39.2863, 42.8634,
39.3241

■ 33.0348, 40.0664,
19.7925

■ 41.8522, 43.9948,
48.0916

■ 31.3989, 39.3194,
15.3638

■ 44.6746, 45.2319,
58.0668

■ 29.9679, 38.6574,
11.8771

■ 47.7619, 46.5781,
69.2932

■ 28.7284, 38.0750,
9.2638

■ 51.1222, 48.0368,
81.8120

■ 27.6654, 37.5661,
7.4459

■ 54.7632, 49.6110,
95.6627

■ 26.7611, 37.1237,
6.3316

■ 56.8863, 50.5813,
101.3727

■ 25.9796, 36.7332,
5.7324

■ 57.9628, 51.1363,
101.4231

■ 25.9626, 36.7247,
5.7202

■ 59.0681, 51.7061,
101.4748

Harmonies

Analogous

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



39.9937, 41.8323, 30.1587



36.9668, 41.8323, 31.7173



34.7935, 41.8323, 36.8229

Triad

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



36.9668, 41.8323, 31.7173



36.5839, 41.8323, 62.0853



46.2070, 41.8323, 46.2184

Complementary

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



36.9668, 41.8323, 31.7173



30.1882, 29.0055, 45.6048

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.



45.1788, 41.8323, 55.5533



36.9668, 41.8323, 31.7173



39.5279, 41.8323, 65.4439

Square

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



36.9668, 41.8323, 31.7173



34.5809, 41.8323, 54.2452



42.6912, 41.8323, 62.9088



45.4328, 41.8323, 37.8344

Rectangle

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



36.9668, 41.8323, 31.7173



34.0633, 41.8323, 41.9441



42.6912, 41.8323, 62.9088



46.0596, 41.8323, 49.3532

Sweetspot

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



36.9679, 41.8341, 31.7182



71.9919, 77.4852, 75.9446



33.8554, 32.9813, 30.1735



15.5402, 16.7651, 16.2491



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.



36.9679, 41.8341, 31.7182



64.4259, 74.1253, 51.1714



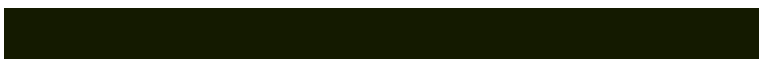
33.5394, 40.0667, 31.5577



9.0033, 9.8068, 9.0709



18.8643, 26.6350, 4.1468



0.6402, 0.8621, 0.1327

Inverse Universe

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



30.1882, 29.0055, 45.6048



49.9273, 46.6864, 80.8752



33.5642, 30.7459, 45.7628



8.2178, 8.3208, 10.6793



6.4424, 2.6570, 30.3103



0.2539, 0.1100, 0.9561

Previews

White Background



This preview shows how the XYZ color 36.9668, 41.8323, 31.7173 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 36.9668, 41.8323, 31.7173 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

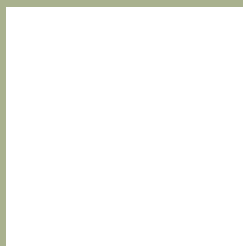
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9668, 41.8323, 31.7173

Background



This preview shows how black text looks on a background with the XYZ color 36.9668, 41.8323, 31.7173.



This preview shows how white text looks on a background with the XYZ color 36.9668, 41.8323,

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

36.9668, 41.8323, 31.7173

Protanopia

39.2056, 41.8479, 30.8220

Deuteranopia

42.4897, 41.5654, 32.1690



Tritanopia

40.9991, 41.7426, 51.7952

Trichromacy



Original Color

36.9668, 41.8323, 31.7173

Protanomaly

38.3039, 41.6602, 31.2217

Deuteranomaly

40.3189, 41.5514, 31.8818

Tritanomaly

39.3386, 41.6359, 43.4993

Monochromacy



Original Color

36.9668, 41.8323, 31.7173

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.8663, 40.9713, 39.1702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9668, 41.8323, 31.7173 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(169, 177, 142)` looks like.

```
.text, #text, p{  
    color:rgb(169, 177, 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(169, 177, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 177, 142) }
```

Border

The CSS property to change the border of an element to XYZ 36.9668, 41.8323, 31.7173 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(169, 177, 142) }
```


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

```
.border{ border-color:rgb(169, 177, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 177, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 177, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 177, 142);  
box-shadow:4px 4px 4px 4px rgb(169, 177,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9668, 41.8323, 31.7173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 177, 142) }
```

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

```
.background{ background-color: rgb(169,  
177, 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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