

Converting Colors

XYZ(38.1925, 40.9993, 34.7568)

Have a look what the booklet for
XYZ(38.1925, 40.9993, 34.7568)
contains.

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Color

**XYZ(38.1620, 40.9372,
34.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AC96
RGB	176, 172, 150
RGB Percent	69%, 67%, 59%
CMY	0.3098, 0.3255, 0.4118
CMYK	0.00, 0.02, 0.15, 0.31
HSL	51°, 14%, 64%
HSV	51°, 15%, 69%
XYZ	38.1620, 40.9372, 34.7445
YIQ	170.6880, 9.4460, -5.9940

Conversions

Conversions Part 2

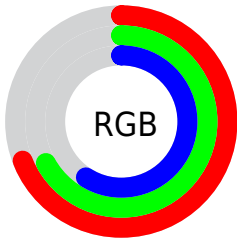
Format	Color
RYB	155, 176, 150
Decimal	11578518
CIELab	70.13, -2.39, 11.83
CIELCh	70, 12.073, 101.433
Yxy	40.9372, 0.3352, 0.3596
Android (android.graphics.Color)	4289768598 (0xFFB0AC96)
YUV	170.6880, -10.1992, 4.6586
Hunter-Lab	63.9822, -5.5030, 12.5910

Details

The XYZ color **38.1620, 40.9372, 34.7445** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.9696, 32.7290, 45.7068**, and the grayscale version is **38.5993, 40.6095, 44.2237**.

A 20% lighter version of the original color is **71.6469, 76.4536, 68.1076**, and **17.1370, 18.5447, 14.4807** is the 20% darker color. If you saturate the color by 10%, you get **36.3407, 39.3947, 27.6627**, and if you desaturate by 10%, it is **40.2088, 42.5894, 42.9528**.

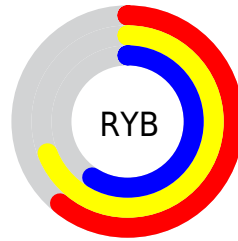
Distribution



Red (69%)

Green (67%)

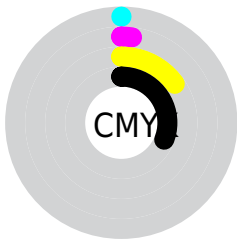
Blue (59%)



Red (61%)

Yellow (69%)

Blue (59%)

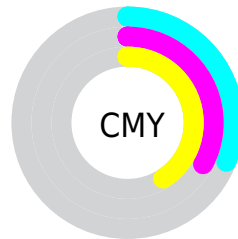


Cyan (0%)

Magenta (2%)

Yellow (15%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1620, 40.9372, 34.7445 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 38.1620, 40.9372, 34.7445 by changing the saturation by 10% instead.

■ 38.1620, 40.9372,
34.7445

■ 38.1620, 40.9372,
34.7445

329.5832,
350.0581, 338.3091

■ 26.2862, 28.2700,
23.1842

■ 71.6587, 76.5886,
68.2368

■ 17.1717, 18.5293,
14.5230

■ 94.0103, 100.3415,
91.0059

■ 10.4530, 11.3307,
8.3424

120.5846,
128.5585, 118.3483

■ 5.7649, 6.2897,
4.2239

151.7468,
161.6240, 150.6826

■ 2.7420, 3.0220,
1.7490

187.8625,
199.9223, 188.4272

■ 1.0188, 1.1432,
0.3940

229.2969,

■ 0.0000, 0.0146,

243.8378, 232.0008

0.0000

276.4153,
293.7549, 281.8219

■ 0.0000, 0.0000,
0.0000

■ 38.1620, 40.9372,
34.7445

■ 38.1620, 40.9372,
34.7445

■ 36.3407, 39.3947,
27.6627

■ 40.2088, 42.5894,
42.9528

■ 34.7323, 37.9526,
21.6548

■ 42.4869, 44.3497,
52.3316

■ 33.3274, 36.6086,
16.6682

■ 45.0057, 46.2231,
62.9259

■ 32.1151, 35.3580,
12.6445

■ 47.7733, 48.2132,
74.7775

■ 31.0831, 34.1959,
9.5198

■ 50.7972, 50.3229,
87.9261

■ 30.2176, 33.1167,
7.2221

■ 53.9877, 52.5165,
101.8990

■ 29.5029, 32.1140,
5.6685

■ 54.5720, 53.6850,
102.0937

■ 28.9198, 31.1799,
4.7583

■ 55.1671, 54.8752,
102.2921

■ 28.6444, 30.7098,
4.4179

■ 55.7731, 56.0873,
102.4941

Harmonies

Analogous

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



40.1309, 40.9372, 35.0419



38.1620, 40.9372, 34.7445



36.4513, 40.9372, 36.9097

Triad

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



38.1620, 40.9372, 34.7445



36.1324, 40.9372, 52.1617



42.6200, 40.9372, 48.1257

Complementary

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



38.1620, 40.9372, 34.7445



31.9696, 32.7290, 45.7068

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.



41.4760, 40.9372, 53.2312



38.1620, 40.9372, 34.7445



37.7133, 40.9372, 55.6938

Square

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



38.1620, 40.9372, 34.7445



35.3062, 40.9372, 46.7634



39.6669, 40.9372, 56.1010



42.7501, 40.9372, 42.4533

Rectangle

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



38.1620, 40.9372, 34.7445



35.6700, 40.9372, 39.5745



39.6669, 40.9372, 56.1010



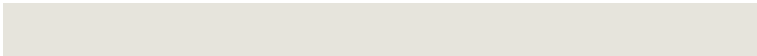
42.3395, 40.9372, 49.9770

Sweetspot

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



38.1631, 40.9390, 34.7454



73.2015, 77.4606, 79.0258



34.6718, 33.3875, 35.3352



15.8008, 16.7372, 16.8693



84.5950, 89.0005, 96.9216



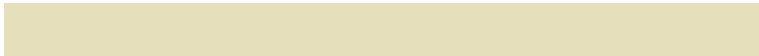
16.2198, 17.0645, 18.5832

Same Dimension

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



38.1631, 40.9390, 34.7454



67.9986, 73.2357, 58.2364



37.0375, 41.5047, 34.9139



9.0836, 9.6797, 9.0421



21.0513, 22.6012, 3.2530



0.6923, 0.7710, 0.1123

Inverse Universe

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



31.9696, 32.7290, 45.7068



54.4106, 55.2244, 82.2869



32.9753, 32.2847, 45.5680



8.1439, 8.4341, 10.7050



6.0665, 2.9333, 30.3834



0.2234, 0.1574, 0.9668

Previews

White Background



This preview shows how the XYZ color 38.1620, 40.9372, 34.7445 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 38.1620, 40.9372, 34.7445 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

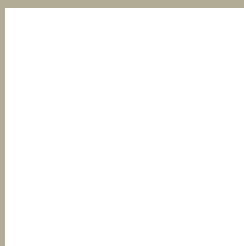
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1620, 40.9372, 34.7445

Background



This preview shows how black text looks on a background with the XYZ color 38.1620, 40.9372, 34.7445.



This preview shows how white text looks on a background with the XYZ color 38.1620, 40.9372,

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

38.1620, 40.9372, 34.7445

Protanopia

38.8101, 40.9990, 34.3019

Deuteranopia

41.5467, 40.7467, 34.9533



Tritanopia

41.1655, 41.0448, 49.4688

Trichromacy



Original Color

38.1620, 40.9372, 34.7445

Protanomaly

38.5781, 40.8795, 34.2910

Deuteranomaly

40.3276, 40.9310, 35.0531

Tritanomaly

40.0341, 40.8619, 43.8073

Monochromacy



Original Color

38.1620, 40.9372, 34.7445

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.4073, 40.6544, 40.4731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1620, 40.9372, 34.7445 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(176, 172, 150)` looks like.

```
.text, #text, p{  
    color:rgb(176, 172, 150)  
}
```

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(176, 172, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 172, 150) }
```

Border

The CSS property to change the border of an element to XYZ 38.1620, 40.9372, 34.7445 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(176, 172, 150) }
```


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

```
.border{ border-color:rgb(176, 172, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 172, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 172, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 172, 150);  
box-shadow:4px 4px 4px 4px rgb(176, 172,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1620, 40.9372, 34.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 172, 150) }
```

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

```
.background{ background-color: rgb(176,  
172, 150) }
```

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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