

Converting Colors

XYZ(38.4645, 40.1602, 40.2994)

Have a look what the booklet for
XYZ(38.4645, 40.1602, 40.2994)
contains.

XYZ(38.4780, 40.1342, 40.3690)	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(38.4780, 40.1342,
40.3690)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA9A3
RGB	175, 169, 163
RGB Percent	69%, 66%, 64%
CMY	0.3137, 0.3372, 0.3608
CMYK	0.00, 0.03, 0.07, 0.31
HSL	30°, 7%, 66%
HSV	30°, 7%, 69%
XYZ	38.4780, 40.1342, 40.3690
YIQ	170.1100, 5.5020, -0.5940

Conversions

Conversions Part 2

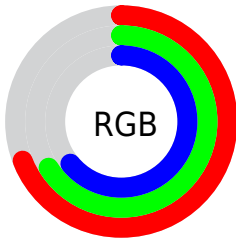
Format	Color
RYB	175, 175, 163
Decimal	11512227
CIELab	69.57, 1.07, 3.85
CIELCh	70, 3.992, 74.516
Yxy	40.1342, 0.3234, 0.3373
Android (android.graphics.Color)	4289702307 (0xFFAFA9A3)
YUV	170.1100, -3.5052, 4.2885
Hunter-Lab	63.3516, -2.4492, 6.5652

Details

The XYZ color **38.4780, 40.1342, 40.3690** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0300, 39.2570, 46.1836**, and the grayscale version is **38.2792, 40.2727, 43.8570**.

A 20% lighter version of the original color is **72.2655, 75.3622, 77.0672**, and **17.3989, 18.0812, 17.6119** is the 20% darker color. If you saturate the color by 10%, you get **35.4447, 36.4053, 32.1499**, and if you desaturate by 10%, it is **41.8394, 44.1711, 49.7690**.

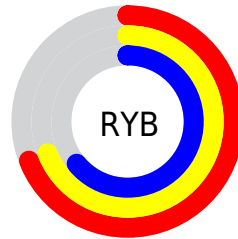
Distribution



Red (69%)

Green (66%)

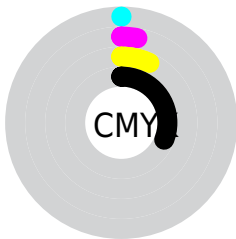
Blue (64%)



Red (69%)

Yellow (69%)

Blue (64%)

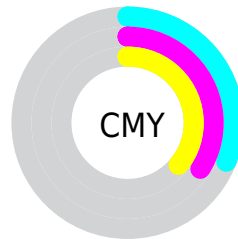


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (31%)



Cyan (31%)

Magenta (34%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4780, 40.1342, 40.3690 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 38.4780, 40.1342, 40.3690 by changing the saturation by 10% instead.

■ 38.4780, 40.1342,
40.3690

■ 38.4780, 40.1342,
40.3690

330.9116,
346.6889, 363.2746

■ 26.5328, 27.6432,
27.5104

■ 72.1394, 75.3678,
76.9683

■ 17.3574, 18.0569,
17.7211

■ 94.5863, 98.8792,
101.5461

■ 10.5865, 10.9908,
10.5826

121.2644,
126.8329, 130.8674

■ 5.8548, 6.0607,
5.6763

152.5392,
159.6132, 165.3506

■ 2.7968, 2.8820,
2.5837

188.7759,
197.6046, 205.4144

■ 1.0472, 1.0704,
0.8840

230.3400,

■ 0.0000, 0.0000,

241.1914, 251.4774

0.0000

277.5967,
290.7580, 303.9579

■ 38.4780, 40.1342,
40.3690

■ 38.4780, 40.1342,
40.3690

■ 35.4447, 36.4053,
32.1499

■ 41.8394, 44.1711,
49.7690

■ 32.7251, 32.9714,
25.0618

■ 45.5360, 48.5182,
60.3919

■ 30.3089, 29.8261,
19.0548

■ 49.5788, 53.1843,
72.2809

■ 28.1834, 26.9608,
14.0747

■ 53.9772, 58.1765,
85.4763

■ 26.3353, 24.3664,
10.0620

■ 58.7403, 63.5013,
100.0165

■ 24.7500, 22.0332,
6.9515

■ 61.7120, 68.2992,
104.5382

■ 23.4110, 19.9507,
4.6694

■ 64.0882, 73.0516,
105.3303

■ 22.2997, 18.1073,
3.1304

■ 66.5865, 78.0483,
106.1631

■ 21.3906, 16.4883,
2.2131

■ 69.2087, 83.2928,
107.0372

Harmonies

Analogous

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



39.0364, 40.1342, 41.2591



38.4780, 40.1342, 40.3690



37.8367, 40.1342, 40.3543

Triad

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



38.4780, 40.1342, 40.3690



36.9597, 40.1342, 44.5945



39.0214, 40.1342, 46.2780

Complementary

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



38.4780, 40.1342, 40.3690



37.0300, 39.2570, 46.1836

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.



38.4577, 40.1342, 47.2243



38.4780, 40.1342, 40.3690



37.2699, 40.1342, 46.2339

Square

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



38.4780, 40.1342, 40.3690



36.9651, 40.1342, 42.7591



37.8166, 40.1342, 47.2079



39.3526, 40.1342, 44.6533

Rectangle

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



38.4780, 40.1342, 40.3690



37.4488, 40.1342, 40.8410



37.8166, 40.1342, 47.2079



38.8525, 40.1342, 46.6880

Sweetspot

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



38.4791, 40.1360, 40.3699



71.7420, 75.2972, 80.1490



37.9383, 38.1735, 42.9053



15.9601, 16.7532, 17.8549



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.



38.4791, 40.1360, 40.3699



68.1854, 70.9949, 70.2976



39.6205, 42.4187, 40.7503



8.3238, 8.6524, 8.4447



15.1947, 11.5949, 1.4372



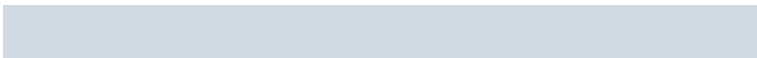
0.4775, 0.4321, 0.0582

Inverse Universe

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



37.0300, 39.2570, 46.1836



65.1315, 69.1426, 82.5499



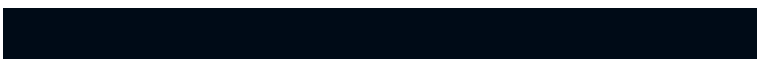
35.9399, 37.0767, 45.8202



7.8971, 8.3936, 10.1566



8.0700, 7.2739, 30.0232



0.2793, 0.3119, 0.8535

Previews

White Background



This preview shows how the XYZ color 38.4780, 40.1342, 40.3690 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 38.4780, 40.1342, 40.3690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

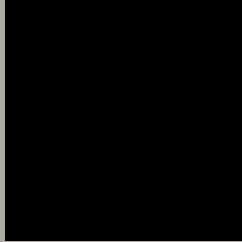
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4780, 40.1342, 40.3690

Background



This preview shows how black text looks on a background with the XYZ color 38.4780, 40.1342, 40.3690.



This preview shows how white text looks on a background with the XYZ color 38.4780, 40.1342,

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

38.4780, 40.1342, 40.3690

Protanopia

38.2544, 40.0189, 40.3585

Deuteranopia

40.7153, 39.9226, 40.6819



Tritanopia

40.0059, 39.9148, 48.7758

Trichromacy



Original Color

38.4780, 40.1342, 40.3690

Protanomaly

38.2544, 40.0189, 40.3585

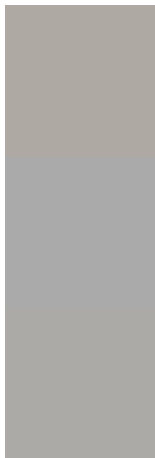
Deuteranomaly

39.8655, 40.0201, 40.7455

Tritanomaly

39.3632, 39.9235, 45.6757

Monochromacy



Original Color

38.4780, 40.1342, 40.3690

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.3630, 40.3101, 42.3179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4780, 40.1342, 40.3690 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(175, 169, 163)` looks like.

```
.text, #text, p{  
    color:rgb(175, 169, 163)  
}
```

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(175, 169, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 169, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.4780, 40.1342, 40.3690 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(175, 169, 163) }
```


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

```
.border{ border-color:rgb(175, 169, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 169, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 169, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 169, 163);  
box-shadow:4px 4px 4px 4px rgb(175, 169,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4780, 40.1342, 40.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 169, 163) }
```

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

```
.background{ background-color: rgb(175,  
169, 163) }
```

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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