

Converting Colors

XYZ(38.9076, 40.8076, 39.7799)

Have a look what the booklet for
XYZ(38.9076, 40.8076, 39.7799)
contains.

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Color

**XYZ(38.9890, 40.9646,
40.0344)**

Conversions

Conversions Part 1

Format	Color
Hex	B0ABA2
RGB	176, 171, 162
RGB Percent	69%, 67%, 64%
CMY	0.3098, 0.3294, 0.3647
CMYK	0.00, 0.03, 0.08, 0.31
HSL	39°, 8%, 66%
HSV	39°, 8%, 69%
XYZ	38.9890, 40.9646, 40.0344
YIQ	171.4690, 5.8690, -1.7390

Conversions

Conversions Part 2

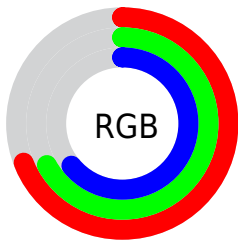
Format	Color
RYB	170, 176, 162
Decimal	11578274
CIELab	70.15, 0.17, 5.26
CIELCh	70, 5.258, 88.152
Yxy	40.9646, 0.3249, 0.3414
Android (android.graphics.Color)	4289768354 (0xFFB0ABA2)
YUV	171.4690, -4.6682, 3.9737
Hunter-Lab	64.0036, -3.2696, 7.7165

Details

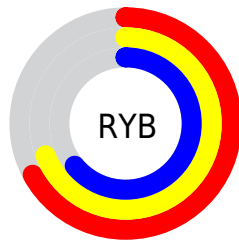
The XYZ color **38.9890, 40.9646, 40.0344** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.5554, 38.4527, 46.5702**, and the grayscale version is **38.9663, 40.9955, 44.6441**.

A 20% lighter version of the original color is **72.9995, 76.5583, 76.5754**, and **17.5797, 18.5304, 17.4020** is the 20% darker color. If you saturate the color by 10%, you get **36.3747, 38.0666, 31.9770**, and if you desaturate by 10%, it is **41.8810, 44.0666, 49.2657**.

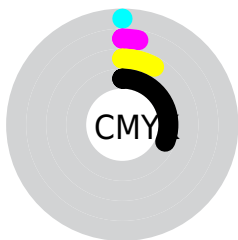
Distribution



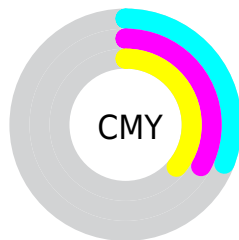
- Red (69%)
- Green (67%)
- Blue (64%)



- Red (67%)
- Yellow (69%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (31%)



- Cyan (31%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9890, 40.9646, 40.0344 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 38.9890, 40.9646, 40.0344 by changing the saturation by 10% instead.

■ 38.9890, 40.9646,
40.0344

■ 38.9890, 40.9646,
40.0344

333.0517,
350.1726, 361.8249

■ 26.9319, 28.2914,
27.2514

■ 72.9157, 76.6302,
76.4536

■ 17.6584, 18.5455,
17.5280

■ 95.5160, 100.3913,
100.9268

■ 10.8032, 11.3423,
10.4457

122.3613,
128.6173, 130.1338

■ 6.0010, 6.2976,
5.5860

153.8171,
161.6924, 164.4932

■ 2.8863, 3.0269,
2.5304

190.2486,
200.0011, 204.4234

■ 1.0939, 1.1458,
0.8562

232.0214,

■ 0.0200, 0.0167,

243.9278, 250.3431

0.0000

279.5006,
293.8568, 302.6708

■ 0.0000, 0.0000,
0.0000

■ 38.9890, 40.9646,
40.0344

■ 38.9890, 40.9646,
40.0344

■ 36.3747, 38.0666,
31.9770

■ 41.8810, 44.0666,
49.2657

■ 34.0248, 35.3620,
25.0430

■ 45.0565, 47.3721,
59.7134

■ 31.9301, 32.8473,
19.1820

■ 48.5256, 50.8876,
71.4210

■ 30.0793, 30.5165,
14.3389

■ 52.2965, 54.6177,
84.4293

■ 28.4602, 28.3635,
10.4534

■ 56.3774, 58.5667,
98.7769

■ 27.0593, 26.3815,
7.4589

■ 58.6798, 61.9004,
103.4630

■ 25.8615, 24.5632,
5.2803

■ 60.2485, 65.0377,
103.9858

■ 24.8494, 22.9001,
3.8297

■ 61.8786, 68.2979,
104.5292

■ 23.9952, 21.3796,
2.9654

■ 63.5707, 71.6823,
105.0933

Harmonies

Analogous

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



39.8150, 40.9646, 40.6994



38.9890, 40.9646, 40.0344



38.1604, 40.9646, 40.5558

Triad

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



38.9890, 40.9646, 40.0344



37.4954, 40.9646, 46.8760



40.3576, 40.9646, 47.1501

Complementary

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



38.9890, 40.9646, 40.0344



36.5554, 38.4527, 46.5702

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.



39.7212, 40.9646, 48.9119



38.9890, 40.9646, 40.0344



38.0693, 40.9646, 48.7496

Square

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



38.9890, 40.9646, 40.0344



37.3057, 40.9646, 44.4509



38.8823, 40.9646, 49.5076



40.6123, 40.9646, 44.7565

Rectangle

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



38.9890, 40.9646, 40.0344



37.7164, 40.9646, 41.5171



38.8823, 40.9646, 49.5076



40.1808, 40.9646, 47.8391

Sweetspot

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



38.9901, 40.9664, 40.0353



73.7566, 77.5825, 82.2573



37.8127, 37.8663, 41.9404



15.9970, 16.8270, 17.8672



84.5950, 89.0005, 96.9216



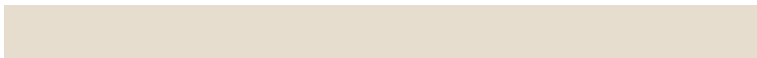
16.2198, 17.0645, 18.5832

Same Dimension

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



38.9901, 40.9664, 40.0353



69.6186, 73.0998, 69.1838



39.5327, 42.6738, 40.3362



8.9368, 9.3862, 8.9932



17.5416, 15.5819, 2.0831



0.6046, 0.5956, 0.0831

Inverse Universe

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



36.5554, 38.4527, 46.5702



64.0538, 67.3547, 84.1201



36.0397, 36.8542, 46.2888



8.2819, 8.7100, 10.7510



7.0972, 4.9949, 30.7270



0.2797, 0.2699, 0.9856

Previews

White Background



This preview shows how the XYZ color 38.9890, 40.9646, 40.0344 looks on a white background.

Color Contrast Check

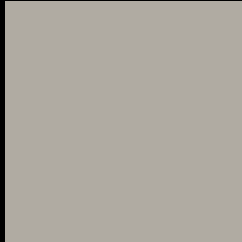
Large Text (above 18pt) WCAG AA × Fail

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 38.9890, 40.9646, 40.0344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

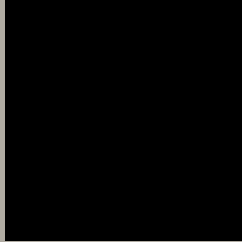
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9890, 40.9646, 40.0344

Background



This preview shows how black text looks on a background with the XYZ color 38.9890, 40.9646, 40.0344.

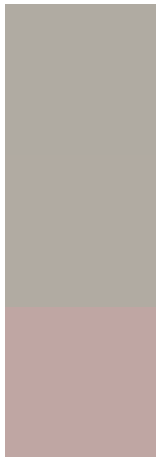


This preview shows how white text looks on a background with the XYZ color 38.9890, 40.9646,

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

38.9890, 40.9646, 40.0344

Protanopia

39.2160, 41.0816, 40.0451

Deuteranopia

41.7329, 40.9931, 40.3632



Tritanopia

40.9335, 40.9252, 49.4580

Trichromacy



Original Color

38.9890, 40.9646, 40.0344

Protanomaly

39.2160, 41.0816, 40.0451

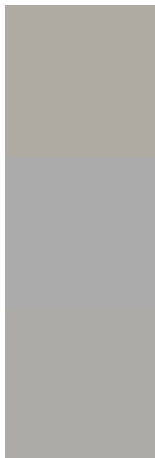
Deuteranomaly

40.8632, 41.0887, 40.4275

Tritanomaly

40.1880, 40.8969, 45.8202

Monochromacy



Original Color

38.9890, 40.9646, 40.0344

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.8644, 40.8372, 42.8798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9890, 40.9646, 40.0344 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, 171, 162)` looks like.

```
.text, #text, p{  
    color:rgb(176, 171, 162)  
}
```

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, 171, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 171, 162) }
```

Border

The CSS property to change the border of an element to XYZ 38.9890, 40.9646, 40.0344 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, 171, 162) }
```


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

```
.border{ border-color:rgb(176, 171, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 171, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 171, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 171, 162);  
box-shadow:4px 4px 4px 4px rgb(176, 171,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9890, 40.9646, 40.0344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 171, 162) }
```

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

```
.background{ background-color: rgb(176,  
171, 162) }
```

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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