

Converting Colors

XYZ(38.8808, 40.5764, 38.3120)

Have a look what the booklet for
XYZ(38.8808, 40.5764, 38.3120)
contains.

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Color

**XYZ(38.9064, 40.6831,
38.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AA9E
RGB	178, 170, 158
RGB Percent	70%, 67%, 62%
CMY	0.3020, 0.3333, 0.3804
CMYK	0.00, 0.04, 0.11, 0.30
HSL	36°, 11%, 66%
HSV	36°, 11%, 70%
XYZ	38.9064, 40.6831, 38.1498
YIQ	171.0240, 8.6200, -2.0360

Conversions

Conversions Part 2

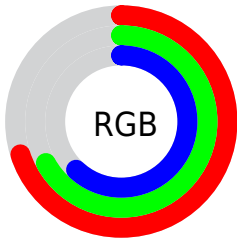
Format	Color
RYB	171, 178, 158
Decimal	11709086
CIELab	69.95, 0.76, 7.20
CIELCh	70, 7.239, 83.977
Yxy	40.6831, 0.3304, 0.3455
Android (android.graphics.Color)	4289899166 (0xFFB2AA9E)
YUV	171.0240, -6.4208, 6.1180
Hunter-Lab	63.7833, -2.7397, 9.1860

Details

The XYZ color **38.9064, 40.6831, 38.1498** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7725, 37.7551, 47.5219**, and the grayscale version is **38.7499, 40.7679, 44.3962**.

A 20% lighter version of the original color is **72.8671, 76.1469, 73.8081**, and **17.5897, 18.3784, 16.5302** is the 20% darker color. If you saturate the color by 10%, you get **36.1860, 37.5190, 30.2235**, and if you desaturate by 10%, it is **41.9232, 44.0841, 47.2708**.

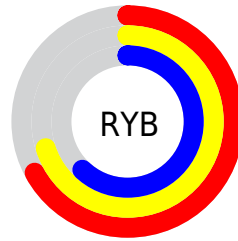
Distribution



Red (70%)

Green (67%)

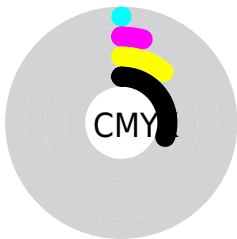
Blue (62%)



Red (67%)

Yellow (70%)

Blue (62%)

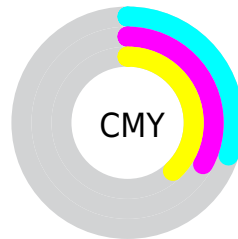


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (30%)



Cyan (30%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9064, 40.6831, 38.1498 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 38.9064, 40.6831, 38.1498 by changing the saturation by 10% instead.


 38.9064, 40.6831,
38.1498


 38.9064, 40.6831,
38.1498


332.7064,
348.9944, 353.5796

 26.8673, 28.0715,
25.7962

 72.7903, 76.2026,
73.5437

 17.6097, 18.3796,
16.4469


 95.3658, 99.8793,
97.4210

 10.7681, 11.2229,
9.6832


122.1842,
128.0132, 125.9768

 5.9773, 6.2169,
5.0865

153.6108,
160.9887, 159.6294

 2.8718, 2.9774,
2.2385

190.0109,
199.1902, 198.7974

 1.0863, 1.1200,
0.6965

231.7500,

 0.0136, 0.0000,

243.0020, 243.8994

0.0000

279.1934,
292.8086, 295.3540

■ 0.0000, 0.0000,
0.0000

■ 38.9064, 40.6831,
38.1498

■ 38.9064, 40.6831,
38.1498

■ 36.1860, 37.5190,
30.2235

■ 41.9232, 44.0841,
47.2708

■ 33.7481, 34.5803,
23.4389

■ 45.2432, 47.7223,
57.6313

■ 31.5824, 31.8624,
17.7428

■ 48.8769, 51.6050,
69.2770

■ 29.6767, 29.3585,
13.0769

■ 52.8334, 55.7377,
82.2503

■ 28.0178, 27.0614,
9.3771

■ 57.1215, 60.1254,
96.5918

■ 26.5909, 24.9631,
6.5721

■ 60.1305, 64.1256,
103.8160

■ 25.3794, 23.0550,
4.5809

■ 61.9569, 67.7783,
104.4248

■ 24.3638, 21.3271,
3.3072

■ 63.8627, 71.5900,
105.0601

■ 23.6005, 19.9455,
2.6060

■ 65.8491, 75.5627,
105.7222

Harmonies

Analogous

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



40.0165, 40.6831, 39.2514



38.9064, 40.6831, 38.1498



37.7543, 40.6831, 38.6264

Triad

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



38.9064, 40.6831, 38.1498



36.6337, 40.6831, 46.9876



40.5304, 40.6831, 48.2255

Complementary

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



38.9064, 40.6831, 38.1498



35.7725, 37.7551, 47.5219

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.



39.5965, 40.6831, 50.4971



38.9064, 40.6831, 38.1498



37.3503, 40.6831, 49.7574

Square

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



38.9064, 40.6831, 38.1498



36.4574, 40.6831, 43.6193



38.4307, 40.6831, 51.0714



40.9663, 40.6831, 44.9817

Rectangle

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



38.9064, 40.6831, 38.1498



37.1154, 40.6831, 39.7878



38.4307, 40.6831, 51.0714



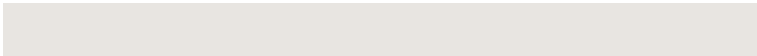
40.2634, 40.6831, 49.1346

Sweetspot

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



38.9075, 40.6849, 38.1507



74.9908, 78.7916, 82.5533



37.4704, 36.6724, 41.1805



16.5143, 17.3446, 17.9848



86.6293, 91.1408, 99.2523



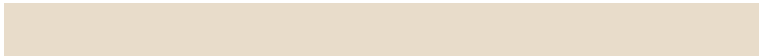
17.0014, 17.8868, 19.4787

Same Dimension

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



38.9075, 40.6849, 38.1507



69.5321, 72.6034, 66.1540



39.9969, 43.5399, 38.6443



8.9063, 9.3251, 8.9830



16.9491, 14.3967, 1.8855



0.5885, 0.5634, 0.0777

Inverse Universe

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



35.7725, 37.7551, 47.5219



62.9308, 66.4345, 85.8875



34.7605, 35.1423, 47.0709



8.3115, 8.7692, 10.7609



7.4277, 5.6559, 30.8372



0.2916, 0.2937, 0.9896

Previews

White Background



This preview shows how the XYZ color 38.9064, 40.6831, 38.1498 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 38.9064, 40.6831, 38.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

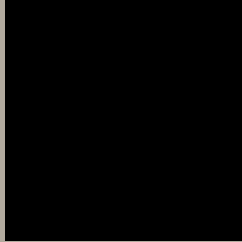
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

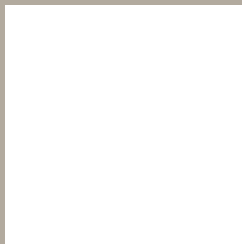
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9064, 40.6831, 38.1498

Background



This preview shows how black text looks on a background with the XYZ color 38.9064, 40.6831, 38.1498.



This preview shows how white text looks on a background with the XYZ color 38.9064, 40.6831,

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

38.9064, 40.6831, 38.1498

Protanopia

38.6777, 40.5652, 38.1391

Deuteranopia

41.4514, 40.6199, 38.4566



Tritanopia

41.1130, 40.7565, 48.8799

Trichromacy



Original Color

38.9064, 40.6831, 38.1498

Protanomaly

38.6777, 40.5652, 38.1391

Deuteranomaly

40.5702, 40.7054, 38.5195

Tritanomaly

40.2714, 40.6871, 44.7606

Monochromacy



Original Color

38.9064, 40.6831, 38.1498

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9014, 40.8777, 41.9162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9064, 40.6831, 38.1498 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(178, 170, 158)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 158)  
}
```

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(178, 170, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.9064, 40.6831, 38.1498 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(178, 170, 158) }
```


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

```
.border{ border-color:rgb(178, 170, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 158);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9064, 40.6831, 38.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 158) }
```

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

```
.background{ background-color: rgb(178,  
170, 158) }
```

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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