

Converting Colors

XYZ(38.1679, 40.5343, 40.4630)

Have a look what the booklet for
XYZ(38.1679, 40.5343, 40.4630)
contains.

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Color

**XYZ(38.1870, 40.5408,
40.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	ACABA3
RGB	172, 171, 163
RGB Percent	67%, 67%, 64%
CMY	0.3255, 0.3294, 0.3608
CMYK	0.00, 0.01, 0.05, 0.33
HSL	53°, 5%, 66%
HSV	53°, 5%, 67%
XYZ	38.1870, 40.5408, 40.4628
YIQ	170.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

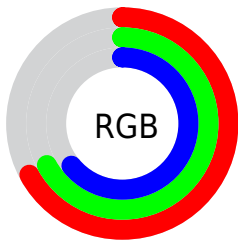
Format	Color
RYB	164, 172, 163
Decimal	11316131
CIELab	69.85, -1.11, 4.23
CIElCh	70, 4.376, 104.700
Yxy	40.5408, 0.3204, 0.3401
Android (android.graphics.Color)	4289506211 (0xFFACABA3)
YUV	170.3870, -3.6418, 1.4146
Hunter-Lab	63.6717, -4.3702, 6.8919

Details

The XYZ color **38.1870, 40.5408, 40.4628** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.8261, 37.3154, 44.3445**, and the grayscale version is **38.4191, 40.4198, 44.0172**.

A 20% lighter version of the original color is **71.5298, 75.7856, 77.1877**, and **17.2118, 18.3344, 17.6707** is the 20% darker color. If you saturate the color by 10%, you get **36.3928, 39.2528, 32.7716**, and if you desaturate by 10%, it is **40.1983, 41.9265, 49.2616**.

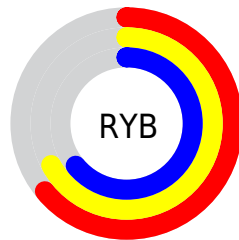
Distribution



Red (67%)

Green (67%)

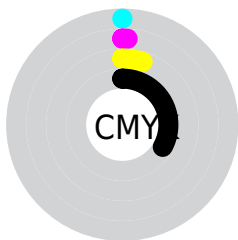
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

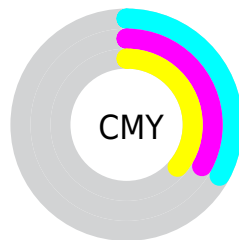


Cyan (0%)

Magenta (1%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1870, 40.5408, 40.4628 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 38.1870, 40.5408, 40.4628 by changing the saturation by 10% instead.


 38.1870, 40.5408,
40.4628


 38.1870, 40.5408,
40.4628


329.6885,
348.3977, 363.6803

 26.3057, 27.9604,
27.5830


 71.6967, 75.9863,
77.1125

 17.1864, 18.2958,
17.7753

 94.0559, 99.6203,
101.7196

 10.4636, 11.1626,
10.6210


120.6384,
127.7076, 131.0728

 5.7720, 6.1763,
5.7017

151.8096,
160.6326, 165.5907

 2.7463, 2.9526,
2.5987

187.9348,
198.7797, 205.6919

 1.0211, 1.1070,
0.8918

229.3795,

 0.0000, 0.0000,

242.5333, 251.7948

0.0000

276.5089,
292.2779, 304.3181

■ 38.1870, 40.5408,
40.4628

■ 38.1870, 40.5408,
40.4628

■ 36.3928, 39.2528,
32.7716

■ 40.1983, 41.9265,
49.2616

■ 34.8038, 38.0540,
26.1409

■ 42.4313, 43.4079,
59.2070

■ 33.4123, 36.9423,
20.5245

■ 44.8946, 44.9898,
70.3395

■ 32.2085, 35.9139,
15.8715

■ 47.5955, 46.6751,
82.6969

■ 31.1820, 34.9645,
12.1267

■ 50.5407, 48.4666,
96.3151

■ 30.3212, 34.0896,
9.2293

■ 51.8802, 49.6242,
101.4518

■ 29.6130, 33.2838,
7.1109

■ 52.2742, 50.4122,
101.5831

■ 29.0425, 32.5412,
5.6929

■ 52.6735, 51.2108,
101.7162

■ 28.5911, 31.8542,
4.8770

■ 53.0781, 52.0201,
101.8511

Harmonies

Analogous

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



38.8946, 40.5408, 40.4728



38.1870, 40.5408, 40.4628



37.5793, 40.5408, 41.4176

Triad

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



38.1870, 40.5408, 40.4628



37.5694, 40.5408, 46.9532



39.8663, 40.5408, 45.1831

Complementary

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



38.1870, 40.5408, 40.4628



35.8261, 37.3154, 44.3445

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.



39.5023, 40.5408, 46.9834



38.1870, 40.5408, 40.4628



38.1733, 40.5408, 48.0266

Square

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



38.1870, 40.5408, 40.4628



37.2258, 40.5408, 45.1429



38.8807, 40.5408, 48.0378



39.8701, 40.5408, 43.1561

Rectangle

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



38.1870, 40.5408, 40.4628



37.3102, 40.5408, 42.4901



38.8807, 40.5408, 48.0378



39.7818, 40.5408, 45.8362

Sweetspot

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



38.1881, 40.5426, 40.4637



70.4008, 74.3331, 78.2863



36.8163, 37.6478, 40.4725



15.3085, 16.1603, 17.0517



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.1881, 40.5426, 40.4637



68.9778, 73.3379, 72.1061



37.6297, 40.5352, 40.4917



8.7039, 9.2604, 9.0409



21.1566, 23.5187, 3.4245



0.6096, 0.6964, 0.1023

Inverse Universe

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



35.8261, 37.3154, 44.3445



64.0049, 66.5437, 80.2766



36.3645, 37.3292, 44.3188



8.0349, 8.3463, 10.1402



5.7366, 2.6070, 29.2454



0.1817, 0.1168, 0.8210

Previews

White Background



This preview shows how the XYZ color 38.1870, 40.5408, 40.4628 looks on a white background.

Color Contrast Check

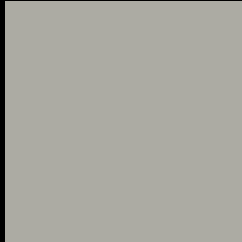
Large Text (above 18pt) WCAG AA × Fail

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 38.1870, 40.5408, 40.4628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

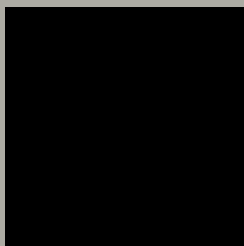
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

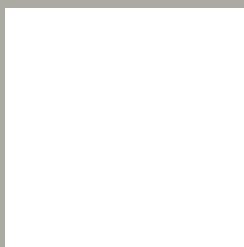
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1870, 40.5408, 40.4628

Background



This preview shows how black text looks on a background with the XYZ color 38.1870, 40.5408, 40.4628.



This preview shows how white text looks on a background with the XYZ color 38.1870, 40.5408,

40.4628.

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

38.1870, 40.5408, 40.4628

Protanopia

38.8008, 40.5882, 39.9717

Deuteranopia

41.1422, 40.4094, 40.7533



Tritanopia

40.0223, 40.4554, 49.4153

Trichromacy



Original Color

38.1870, 40.5408, 40.4628

Protanomaly

38.5755, 40.4720, 39.9612

Deuteranomaly

40.0480, 40.3850, 40.8063

Tritanomaly

39.2835, 40.4306, 45.7778

Monochromacy



Original Color

38.1870, 40.5408, 40.4628

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1444, 40.1974, 42.3077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1870, 40.5408, 40.4628 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(172, 171, 163)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 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(172, 171, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 171, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.1870, 40.5408, 40.4628 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(172, 171, 163) }
```


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

```
.border{ border-color:rgb(172, 171, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 171, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 171, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 171, 163);  
box-shadow:4px 4px 4px 4px rgb(172, 171,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1870, 40.5408, 40.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 171, 163) }
```

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

```
.background{ background-color: rgb(172,  
171, 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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