

Converting Colors

XYZ(37.7868, 40.3121, 42.0439)

Have a look what the booklet for
XYZ(37.7868, 40.3121, 42.0439)
contains.

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Color

**XYZ(37.8080, 40.3140,
41.8651)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ABA6
RGB	169, 171, 166
RGB Percent	66%, 67%, 65%
CMY	0.3373, 0.3294, 0.3490
CMYK	0.01, 0.00, 0.03, 0.33
HSL	84°, 3%, 66%
HSV	84°, 3%, 67%
XYZ	37.8080, 40.3140, 41.8651
YIQ	169.8320, 0.4130, -1.9790

Conversions

Conversions Part 2

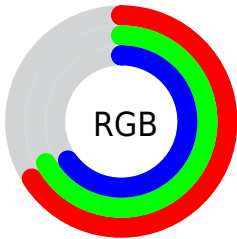
Format	Color
RYB	166, 171, 168
Decimal	11119526
CIELab	69.69, -1.64, 2.31
CIELCh	70, 2.838, 125.391
Yxy	40.3140, 0.3151, 0.3360
Android (android.graphics.Color)	4289309606 (0xFFA9ABA6)
YUV	169.8320, -1.8892, -0.7297
Hunter-Lab	63.4933, -4.8229, 5.3517

Details

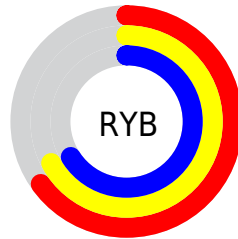
The XYZ color **37.8080, 40.3140, 41.8651** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1370, 38.5387, 44.0115**, and the grayscale version is **38.1347, 40.1207, 43.6914**.

A 20% lighter version of the original color is **70.9880, 75.4605, 79.2305**, and **16.9702, 18.1905, 18.5363** is the 20% darker color. If you saturate the color by 10%, you get **34.9121, 38.9916, 34.0784**, and if you desaturate by 10%, it is **40.9918, 41.7630, 50.7558**.

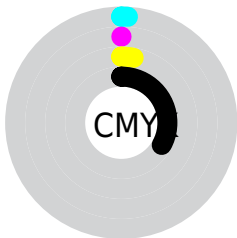
Distribution



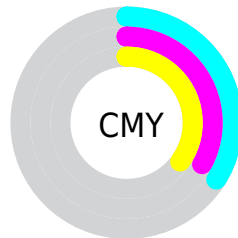
- Red (66%)
- Green (67%)
- Blue (65%)



- Red (65%)
- Yellow (67%)
- Blue (66%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)



- Cyan (34%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8080, 40.3140, 41.8651 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 37.8080, 40.3140, 41.8651 by changing the saturation by 10% instead.

■ 37.8080, 40.3140,
41.8651

■ 37.8080, 40.3140,
41.8651

328.0907,
347.4453, 369.7066

■ 26.0102, 27.7835,
28.6709

■ 71.1196, 75.6414,
79.2633

■ 16.9640, 18.1625,
18.5886

■ 93.3641, 99.2071,
104.3044

■ 10.3040, 11.0667,
11.1996

119.8215,
127.2199, 134.1315

■ 5.6648, 6.1117,
6.0854

150.8573,
160.0643, 169.1632

■ 2.6810, 2.9131,
2.8274

186.8368,
198.1246, 209.8180

■ 0.9874, 1.0866,
1.0072

228.1253,

■ 0.0000, 0.0000,

241.7853, 256.5145

0.0000

275.0881,
291.4307, 309.6712

■ 37.8080, 40.3140,
41.8651

■ 37.8080, 40.3140,
41.8651

■ 34.9121, 38.9916,
34.0784

■ 40.9918, 41.7630,
50.7558

■ 32.2913, 37.7868,
27.3499

■ 44.4688, 43.3370,
60.7886

■ 29.9368, 36.6970,
21.6347

■ 48.2488, 45.0414,
72.0030

■ 27.8381, 35.7181,
16.8835

■ 52.3397, 46.8793,
84.4358

■ 25.9838, 34.8453,
13.0428

■ 56.7493, 48.8542,
98.1222

■ 24.3615, 34.0734,
10.0541

■ 59.2165, 50.0616,
101.1496

■ 22.9575, 33.3969,
7.8520

■ 61.2091, 51.0889,
101.2428

■ 21.7561, 32.8093,
6.3614

■ 63.2863, 52.1597,
101.3400

■ 20.7391, 32.3032,
5.4930

■ 65.4488, 53.2745,
101.4412

Harmonies

Analogous

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



38.2343, 40.3140, 41.4246



37.8080, 40.3140, 41.8651



37.5198, 40.3140, 42.8501

Triad

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



37.8080, 40.3140, 41.8651



37.9506, 40.3140, 46.2352



39.2033, 40.3140, 43.6579

Complementary

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



37.8080, 40.3140, 41.8651



37.1370, 38.5387, 44.0115

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.



39.1259, 40.3140, 44.9569



37.8080, 40.3140, 41.8651



38.4003, 40.3140, 46.4619

Square

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



37.8080, 40.3140, 41.8651



37.6017, 40.3140, 45.3764



38.8310, 40.3140, 45.9897



39.0418, 40.3140, 42.4464

Rectangle

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



37.8080, 40.3140, 41.8651



37.4436, 40.3140, 43.6921



38.8310, 40.3140, 45.9897



39.2044, 40.3140, 44.0987

Sweetspot

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



37.8091, 40.3157, 41.8660



68.7581, 72.6768, 77.8586



37.6816, 39.4178, 41.6994



15.3402, 16.2104, 17.3818



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.



37.8091, 40.3157, 41.8660



67.0909, 71.9170, 73.2801



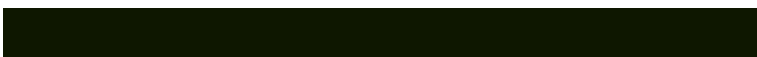
37.2780, 40.0419, 41.8411



8.6639, 9.3123, 9.3965



15.2148, 24.1406, 3.8577



0.4828, 0.7023, 0.1101

Inverse Universe

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



37.1370, 38.5387, 44.0115



65.4285, 67.5220, 78.5865



37.6743, 38.8157, 44.0367



8.4181, 8.6625, 10.1810



7.4196, 3.1848, 29.2682



0.2692, 0.1210, 0.8171

Previews

White Background



This preview shows how the XYZ color 37.8080, 40.3140, 41.8651 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 37.8080, 40.3140, 41.8651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

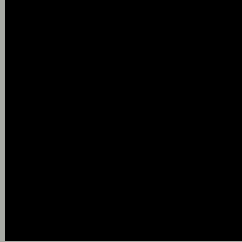
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

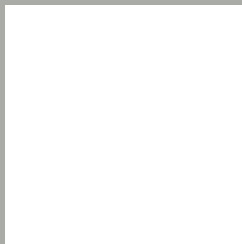
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8080, 40.3140, 41.8651

Background



This preview shows how black text looks on a background with the XYZ color 37.8080, 40.3140, 41.8651.



This preview shows how white text looks on a background with the XYZ color 37.8080, 40.3140,

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

37.8080, 40.3140, 41.8651

Protanopia

38.4351, 40.0912, 41.3099

Deuteranopia

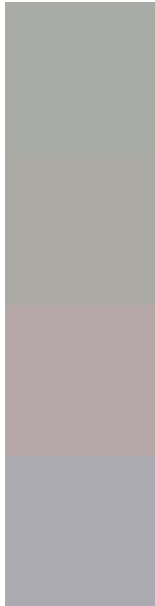
41.1692, 40.3917, 42.1857



Tritanopia

39.4261, 40.4113, 49.9781

Trichromacy



Original Color

37.8080, 40.3140, 41.8651

Protanomaly

38.1795, 40.2367, 41.3515

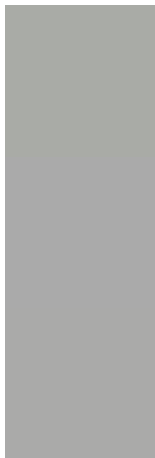
Deuteranomaly

39.8498, 40.2512, 42.2282

Tritanomaly

38.7888, 40.4301, 46.8337

Monochromacy



Original Color

37.8080, 40.3140, 41.8651

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1137, 40.1601, 43.2790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8080, 40.3140, 41.8651 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(169, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 166)  
}
```

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(169, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.8080, 40.3140, 41.8651 is called "border". The border property can be set on classes, ids or directly on the HTML element.

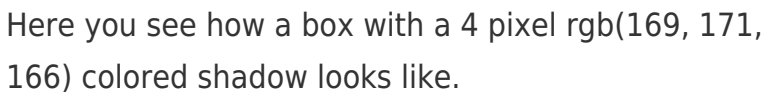
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 171, 166) }
```


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

```
.border{ border-color:rgb(169, 171, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 171, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 171, 166); box-shadow:4px 4px 4px 4px rgb(169, 171, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8080, 40.3140, 41.8651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 166) }
```

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

```
.background{ background-color: rgb(169,  
171, 166) }
```

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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