

Converting Colors

XYZ(36.7930, 38.7181, 40.1870)

Have a look what the booklet for
XYZ(36.7930, 38.7181, 40.1870)
contains.

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Color

**XYZ(36.7918, 38.7168,
40.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A7A3
RGB	169, 167, 163
RGB Percent	66%, 65%, 64%
CMY	0.3373, 0.3451, 0.3608
CMYK	0.00, 0.01, 0.04, 0.34
HSL	40°, 3%, 65%
HSV	40°, 4%, 66%
XYZ	36.7918, 38.7168, 40.1843
YIQ	167.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

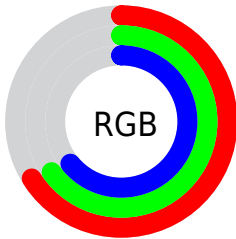
Format	Color
RYB	166, 169, 163
Decimal	11118499
CIELab	68.55, -0.02, 2.31
CIELCh	69, 2.309, 90.603
Yxy	38.7168, 0.3180, 0.3347
Android (android.graphics.Color)	4289308579 (0xFFA9A7A3)
YUV	167.1420, -2.0420, 1.6295
Hunter-Lab	62.2228, -3.3445, 5.2657

Details

The XYZ color **36.7918, 38.7168, 40.1843** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.7209, 37.5610, 42.9040**, and the grayscale version is **36.8095, 38.7265, 42.1731**.

A 20% lighter version of the original color is **69.5166, 73.1518, 76.7855**, and **16.3361, 17.1911, 17.4961** is the 20% darker color. If you saturate the color by 10%, you get **34.3698, 36.1360, 32.3989**, and if you desaturate by 10%, it is **39.4632, 41.4716, 49.0522**.

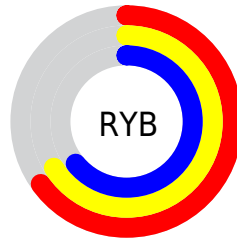
Distribution



Red (66%)

Green (65%)

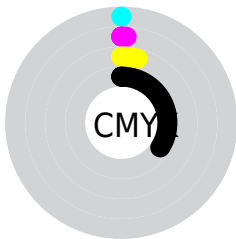
Blue (64%)



Red (65%)

Yellow (66%)

Blue (64%)

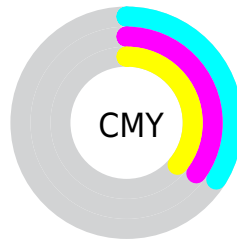


Cyan (0%)

Magenta (1%)

Yellow (4%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7918, 38.7168, 40.1843 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 36.7918, 38.7168, 40.1843 by changing the saturation by 10% instead.

■ 36.7918, 38.7168,
40.1843

■ 36.7918, 38.7168,
40.1843

323.7795,
340.6849, 362.4749

■ 25.2193, 26.5395,
27.3674

■ 69.5684, 73.2055,
76.6842

■ 16.3701, 17.2277,
17.6145

■ 91.5031, 96.2856,
101.2043

■ 9.8789, 10.3969,
10.5070

117.6226,
123.7689, 130.4626

■ 5.3804, 5.6629,
5.6264

148.2923,
156.0396, 164.8775

■ 2.5092, 2.6412,
2.5542

183.8775,
193.4821, 204.8677

■ 0.8999, 0.9474,
0.8687

224.7435,

■ 0.0000, 0.0000,

236.4810, 250.8516

0.0000

271.2557,
285.4204, 303.2478

■ 36.7918, 38.7168,
40.1843

■ 36.7918, 38.7168,
40.1843

■ 34.3698, 36.1360,
32.3989

■ 39.4632, 41.4716,
49.0522

■ 32.1854, 33.7198,
25.6512

■ 42.3889, 44.3995,
59.0400

■ 30.2307, 31.4654,
19.8973

■ 45.5775, 47.5060,
70.1861

■ 28.4959, 29.3680,
15.0889

■ 49.0365, 50.7951,
82.5267

■ 26.9706, 27.4223,
11.1737

■ 52.7728, 54.2702,
96.0960

■ 25.6432, 25.6229,
8.0943

■ 55.2422, 57.3146,
102.7590

■ 24.5010, 23.9636,
5.7866

■ 56.5755, 59.9814,
103.2035

■ 23.5295, 22.4376,
4.1769

■ 57.9574, 62.7452,
103.6641

■ 22.7112, 21.0369,
3.1771

■ 59.3883, 65.6070,
104.1411

Harmonies

Analogous

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



37.1436, 38.7168, 40.4346



36.7918, 38.7168, 40.1843



36.4442, 38.7168, 40.4551

Triad

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



36.7918, 38.7168, 40.1843



36.2003, 38.7168, 43.1841



37.4120, 38.7168, 43.1471

Complementary

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



36.7918, 38.7168, 40.1843



35.7209, 37.5610, 42.9040

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.



37.1564, 38.7168, 43.9040



36.7918, 38.7168, 40.1843



36.4569, 38.7168, 43.9256

Square

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



36.7918, 38.7168, 40.1843



36.1041, 38.7168, 42.1771



36.8065, 38.7168, 44.1912



37.5031, 38.7168, 42.1349

Rectangle

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



36.7918, 38.7168, 40.1843



36.2612, 38.7168, 40.8972



36.8065, 38.7168, 44.1912



37.3424, 38.7168, 43.4404

Sweetspot

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



36.7929, 38.7185, 40.1851



67.0616, 70.5610, 75.8037



36.2515, 37.3466, 40.8959



14.6224, 15.3853, 16.5413



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



36.7929, 38.7185, 40.1851



65.6559, 69.0929, 71.1941



36.9479, 39.3457, 40.2980



8.1896, 8.6183, 8.8102



16.6254, 15.1481, 2.0476



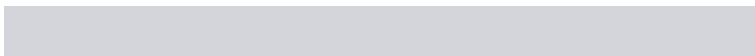
0.4485, 0.4566, 0.0645

Inverse Universe

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



35.7209, 37.5610, 42.9040



63.4617, 66.7236, 76.7593



35.5691, 36.9521, 42.7945



7.8775, 8.2814, 9.6016



6.4453, 4.3508, 28.4756



0.2036, 0.1993, 0.7084

Previews

White Background



This preview shows how the XYZ color 36.7918, 38.7168, 40.1843 looks on a white background.

Color Contrast Check

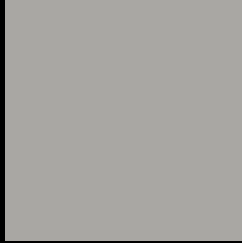
Large Text (above 18pt) WCAG AA × Fail

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 36.7918, 38.7168, 40.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

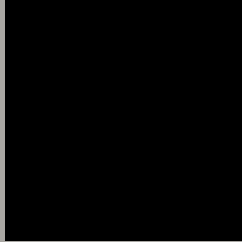
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7918, 38.7168, 40.1843

Background



This preview shows how black text looks on a background with the XYZ color 36.7918, 38.7168, 40.1843.



This preview shows how white text looks on a background with the XYZ color 36.7918, 38.7168,

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

36.7918, 38.7168, 40.1843

Protanopia

37.0417, 38.5747, 40.1437

Deuteranopia

39.3883, 38.7113, 40.5180



Tritanopia

38.2856, 38.7825, 47.5874

Trichromacy



Original Color

36.7918, 38.7168, 40.1843

Protanomaly

36.8246, 38.4628, 40.1335

Deuteranomaly

38.5667, 38.8150, 40.5813

Tritanomaly

37.7566, 38.8356, 45.0412

Monochromacy



Original Color

36.7918, 38.7168, 40.1843

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8501, 38.7154, 41.6070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7918, 38.7168, 40.1843 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, 167, 163) looks like.

```
.text, #text, p{  
    color:rgb(169, 167, 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(169, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 167, 163) }
```

Border

The CSS property to change the border of an element to XYZ 36.7918, 38.7168, 40.1843 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, 167, 163) }
```


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

```
.border{ border-color:rgb(169, 167, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 167, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(169, 167,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7918, 38.7168, 40.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 167, 163) }
```

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

```
.background{ background-color: rgb(169,  
167, 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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