

Converting Colors

XYZ(38.2747, 40.7869, 35.9927)

Have a look what the booklet for
XYZ(38.2747, 40.7869, 35.9927)
contains.

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Color

**XYZ(38.2172, 40.6558,
35.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AB99
RGB	176, 171, 153
RGB Percent	69%, 67%, 60%
CMY	0.3098, 0.3294, 0.4000
CMYK	0.00, 0.03, 0.13, 0.31
HSL	47°, 13%, 65%
HSV	47°, 13%, 69%
XYZ	38.2172, 40.6558, 35.9701
YIQ	170.4430, 8.7580, -4.5380

Conversions

Conversions Part 2

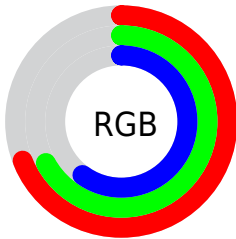
Format	Color
RYB	159, 176, 153
Decimal	11578265
CIELab	69.93, -1.36, 9.90
CIELCh	70, 9.997, 97.834
Yxy	40.6558, 0.3328, 0.3540
Android (android.graphics.Color)	4289768345 (0xFFB0AB99)
YUV	170.4430, -8.5994, 4.8735
Hunter-Lab	63.7619, -4.5951, 11.1860

Details

The XYZ color **38.2172, 40.6558, 35.9701** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2002, 34.3601, 45.9571**, and the grayscale version is **38.4691, 40.4725, 44.0745**.

A 20% lighter version of the original color is **71.7376, 76.0535, 69.9303**, and **17.1635, 18.3639, 15.2103** is the 20% darker color. If you saturate the color by 10%, you get **36.1580, 38.6945, 28.6331**, and if you desaturate by 10%, it is **40.5139, 42.7483, 44.4451**.

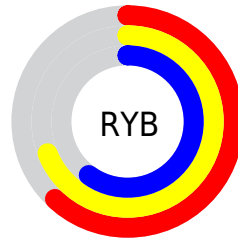
Distribution



Red (69%)

Green (67%)

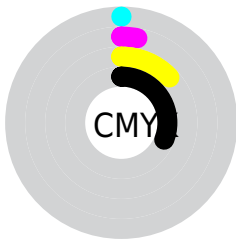
Blue (60%)



Red (62%)

Yellow (69%)

Blue (60%)

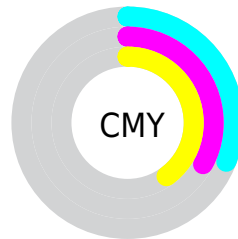


Cyan (0%)

Magenta (3%)

Yellow (13%)

Black (31%)



Cyan (31%)


Magenta (33%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2172, 40.6558, 35.9701 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 38.2172, 40.6558, 35.9701 by changing the saturation by 10% instead.


 38.2172, 40.6558,
35.9701


 38.2172, 40.6558,
35.9701


329.8156,
348.8800, 343.8633

 26.3293, 28.0502,
24.1216


 71.7427, 76.1611,
70.1544

 17.2041, 18.3635,
15.2108


 94.1110, 99.8296,
93.3274

 10.4763, 11.2113,
8.8192


120.7034,
127.9546, 121.1121

 5.7806, 6.2091,
4.5282

151.8854,
160.9204, 153.9274

 2.7515, 2.9727,
1.9194

188.0222,
199.1115, 192.1916

 1.0238, 1.1175,
0.5050

229.4793,

 0.0000, 0.0000,

242.9122, 236.3232

0.0000

276.6219,
292.7069, 286.7410

■ 38.2172, 40.6558,
35.9701

■ 38.2172, 40.6558,
35.9701

■ 36.1580, 38.6945,
28.6331

■ 40.5139, 42.7483,
44.4451

■ 34.3236, 36.8548,
22.3823

■ 43.0539, 44.9704,
54.1019

■ 32.7048, 35.1343,
17.1656

■ 45.8466, 47.3277,
64.9850

■ 31.2905, 33.5282,
12.9255

■ 48.9002, 49.8235,
77.1359

■ 30.0686, 32.0314,
9.5991

■ 52.2222, 52.4612,
90.5942

■ 29.0256, 30.6381,
7.1158

■ 55.2345, 55.0098,
102.3145

■ 28.1460, 29.3419,
5.3951

■ 56.0962, 56.7332,
102.6018

■ 27.4112, 28.1350,
4.3402

■ 56.9799, 58.5007,
102.8963

■ 26.9594, 27.3397,
3.8562

■ 57.8859, 60.3126,
103.1983

Harmonies

Analogous

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



39.8347, 40.6558, 36.4763



38.2172, 40.6558, 35.9701



36.7545, 40.6558, 37.5604

Triad

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



38.2172, 40.6558, 35.9701



36.2232, 40.6558, 49.9943



41.6128, 40.6558, 47.7350

Complementary

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



38.2172, 40.6558, 35.9701



33.2002, 34.3601, 45.9571

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.



40.5933, 40.6558, 51.7284



38.2172, 40.6558, 35.9701



37.4736, 40.6558, 53.0954

Square

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



38.2172, 40.6558, 35.9701



35.6245, 40.6558, 45.4999



39.0702, 40.6558, 53.7513



41.8255, 40.6558, 43.0570

Rectangle

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



38.2172, 40.6558, 35.9701



36.0535, 40.6558, 39.6660



39.0702, 40.6558, 53.7513



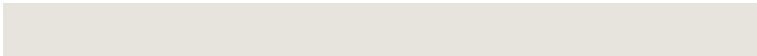
41.3518, 40.6558, 49.2113

Sweetspot

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



38.2183, 40.6576, 35.9710



73.0412, 77.1398, 78.9724



35.4994, 34.4944, 37.3011



15.7598, 16.6552, 16.8557



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.



38.2183, 40.6576, 35.9710



68.0686, 72.5701, 60.7433



37.8244, 41.8823, 36.2281



9.0373, 9.5871, 9.0267



19.8246, 20.1477, 2.8440



0.6628, 0.7120, 0.1025

Inverse Universe

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



33.2002, 34.3601, 45.9571



56.9792, 58.6540, 82.8135



33.5528, 33.3022, 45.7343



8.1867, 8.5196, 10.7193



6.3003, 3.4010, 30.4614



0.2410, 0.1926, 0.9727

Previews

White Background



This preview shows how the XYZ color 38.2172, 40.6558, 35.9701 looks on a white background.

Color Contrast Check

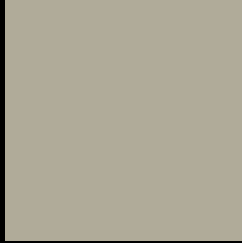
Large Text (above 18pt) WCAG AA × Fail

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 38.2172, 40.6558, 35.9701 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

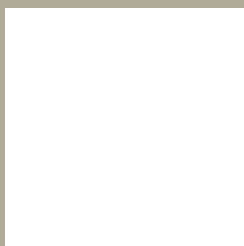
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2172, 40.6558, 35.9701

Background



This preview shows how black text looks on a background with the XYZ color 38.2172, 40.6558, 35.9701.



This preview shows how white text looks on a background with the XYZ color 38.2172, 40.6558,

35.9701.

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

38.2172, 40.6558, 35.9701

Protanopia

38.4846, 40.5143, 35.9287

Deuteranopia

41.2802, 40.5808, 36.2290



Tritanopia

40.8793, 40.6360, 48.8690

Trichromacy



Original Color

38.2172, 40.6558, 35.9701

Protanomaly

38.2560, 40.3965, 35.9180

Deuteranomaly

40.1450, 40.5353, 36.2801

Tritanomaly

39.8487, 40.4912, 43.7455

Monochromacy



Original Color

38.2172, 40.6558, 35.9701

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0888, 40.2004, 40.8739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2172, 40.6558, 35.9701 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(176, 171, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 171, 153) }
```

Border

The CSS property to change the border of an element to XYZ 38.2172, 40.6558, 35.9701 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, 153) }
```


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

```
.border{ border-color:rgb(176, 171, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 171, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 171, 153);  
box-shadow:4px 4px 4px 4px rgb(176, 171,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2172, 40.6558, 35.9701 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, 153) }
```

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

```
.background{ background-color: rgb(176,  
171, 153) }
```

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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