

Converting Colors

XYZ(37.9867, 40.7182, 40.9958)

Have a look what the booklet for
XYZ(37.9867, 40.7182, 40.9958)
contains.

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Color

**XYZ(38.0309, 40.7314,
40.9795)**

Conversions

Conversions Part 1

Format	Color
Hex	AAACA4
RGB	170, 172, 164
RGB Percent	67%, 67%, 64%
CMY	0.3333, 0.3255, 0.3569
CMYK	0.01, 0.00, 0.05, 0.33
HSL	75°, 5%, 66%
HSV	75°, 5%, 67%
XYZ	38.0309, 40.7314, 40.9795
YIQ	170.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

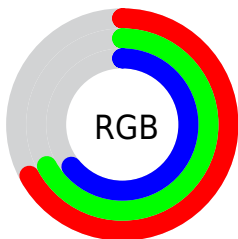
Format	Color
RYB	164, 172, 166
Decimal	11185316
CIELab	69.99, -2.19, 3.85
CIELCh	70, 4.435, 119.635
Yxy	40.7314, 0.3176, 0.3402
Android (android.graphics.Color)	4289375396 (0xFFAAACA4)
YUV	170.4900, -3.1996, -0.4297
Hunter-Lab	63.8212, -5.3192, 6.6048

Details

The XYZ color **38.0309, 40.7314, 40.9795** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4493, 37.6376, 44.3755**, and the grayscale version is **38.4690, 40.4724, 44.0745**.

A 20% lighter version of the original color is **71.3066, 76.0602, 77.9407**, and **17.1123, 18.4543, 17.9894** is the 20% darker color. If you saturate the color by 10%, you get **35.6662, 39.6811, 33.3013**, and if you desaturate by 10%, it is **40.6385, 41.8850, 49.7674**.

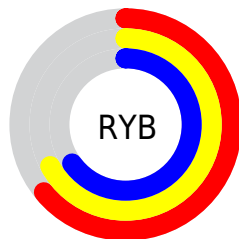
Distribution



Red (67%)

Green (67%)

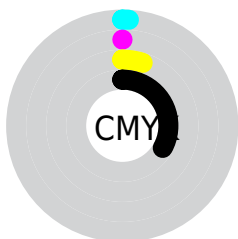
Blue (64%)



Red (64%)

Yellow (67%)

Blue (65%)

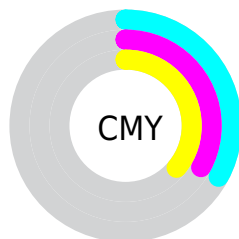


Cyan (1%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0309, 40.7314, 40.9795 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 38.0309, 40.7314, 40.9795 by changing the saturation by 10% instead.

■ 38.0309, 40.7314,
40.9795

■ 38.0309, 40.7314,
40.9795

329.0311,
349.1968, 365.9090

■ 26.1840, 28.1093,
27.9835

■ 71.4591, 76.2760,
77.9061

■ 17.0947, 18.4080,
18.0743

■ 93.7711, 99.9672,
102.6738

■ 10.3978, 11.2433,
10.8333

120.3022,
128.1169, 132.2024

■ 5.7278, 6.2308,
5.8421

151.4177,
161.1096, 166.9106

■ 2.7193, 2.9859,
2.6821

187.4829,
199.3295, 207.2168

■ 1.0071, 1.1244,
0.9344

228.8634,

■ 0.0000, 0.0000,

243.1610, 253.5395

0.0000

275.9243,
292.9887, 306.2975

■ 38.0309, 40.7314,
40.9795

■ 38.0309, 40.7314,
40.9795

■ 35.6662, 39.6811,
33.3013

■ 40.6385, 41.8850,
49.7674

■ 33.5324, 38.7252,
26.6862

■ 43.4937, 43.1400,
59.7041

■ 31.6213, 37.8620,
21.0878

■ 46.6055, 44.5012,
70.8299

■ 29.9231, 37.0873,
16.4556

■ 49.9814, 45.9715,
83.1824

■ 28.4269, 36.3968,
12.7346

■ 53.6283, 47.5540,
96.7976

■ 27.1211, 35.7858,
9.8644

■ 55.5252, 48.4402,
101.0311

■ 25.9924, 35.2489,
7.7773

■ 56.6602, 49.0253,
101.0843

■ 25.0256, 34.7802,
6.3950

■ 57.8275, 49.6271,
101.1389

■ 24.2026, 34.3721,
5.6230

■ 59.0275, 50.2457,
101.1950

Harmonies

Analogous

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



38.7228, 40.7314, 40.4877



38.0309, 40.7314, 40.9795



37.5273, 40.7314, 42.3680

Triad

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



38.0309, 40.7314, 40.9795



38.0157, 40.7314, 47.8728



40.1203, 40.7314, 44.3749

Complementary

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



38.0309, 40.7314, 40.9795



36.4493, 37.6376, 44.3755

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.



39.9254, 40.7314, 46.3920



38.0309, 40.7314, 40.9795



38.7051, 40.7314, 48.4495

Square

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



38.0309, 40.7314, 40.9795



37.5186, 40.7314, 46.3467



39.4052, 40.7314, 47.8995



39.9344, 40.7314, 42.4106

Rectangle

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



38.0309, 40.7314, 40.9795



37.3630, 40.7314, 43.6374



39.4052, 40.7314, 47.8995



40.0971, 40.7314, 45.0695

Sweetspot

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



38.0320, 40.7332, 40.9804



70.6594, 74.6303, 79.8979



37.3517, 38.7247, 40.6286



15.3616, 16.2214, 17.3829



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.



38.0320, 40.7332, 40.9804



68.3410, 73.6033, 72.1909



37.1806, 40.2942, 40.9405



8.6181, 9.2962, 9.0524



17.7613, 25.4534, 3.9769



0.5403, 0.7319, 0.1128

Inverse Universe

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



36.4493, 37.6376, 44.3755



64.6083, 66.3026, 80.1982



37.3008, 38.0766, 44.4154



8.1159, 8.3140, 10.1297



6.3282, 2.6222, 29.2171



0.2261, 0.0987, 0.8151

Previews

White Background



This preview shows how the XYZ color 38.0309, 40.7314, 40.9795 looks on a white background.

Color Contrast Check

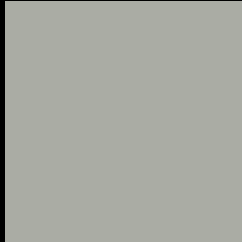
Large Text (above 18pt) WCAG AA × Fail

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 38.0309, 40.7314, 40.9795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

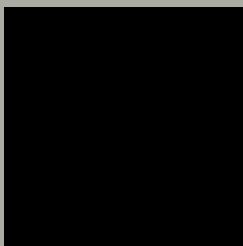
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

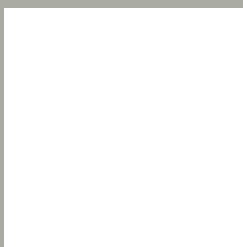
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0309, 40.7314, 40.9795

Background



This preview shows how black text looks on a background with the XYZ color 38.0309, 40.7314, 40.9795.



This preview shows how white text looks on a background with the XYZ color 38.0309, 40.7314,

40.9795.

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

38.0309, 40.7314, 40.9795

Protanopia

38.8901, 40.6239, 40.4418

Deuteranopia

41.4819, 40.5740, 41.2426



Tritanopia

39.9688, 40.6791, 50.5450

Trichromacy



Original Color

38.0309, 40.7314, 40.9795

Protanomaly

38.6293, 40.7688, 40.4835

Deuteranomaly

40.3226, 40.7892, 41.3452

Tritanomaly

39.2245, 40.6547, 46.8541

Monochromacy



Original Color

38.0309, 40.7314, 40.9795

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2084, 40.4990, 42.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0309, 40.7314, 40.9795 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(170, 172, 164)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 164)  
}
```

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(170, 172, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 164) }
```

Border

The CSS property to change the border of an element to XYZ 38.0309, 40.7314, 40.9795 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(170, 172, 164) }
```


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

```
.border{ border-color:rgb(170, 172, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 164);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0309, 40.7314, 40.9795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 164) }
```

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

```
.background{ background-color: rgb(170,  
172, 164) }
```

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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