

Converting Colors

XYZ(38.6711, 41.5000, 44.7704)

Have a look what the booklet for
XYZ(38.6711, 41.5000, 44.7704)
contains.

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Color

**XYZ(38.7309, 41.5755,
45.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AEAC
RGB	168, 174, 172
RGB Percent	66%, 68%, 67%
CMY	0.3412, 0.3176, 0.3255
CMYK	0.03, 0.00, 0.01, 0.32
HSL	160°, 4%, 67%
HSV	160°, 3%, 68%
XYZ	38.7309, 41.5755, 45.0133
YIQ	171.9780, -2.9340, -1.8940

Conversions

Conversions Part 2

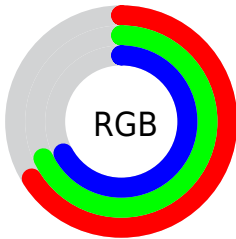
Format	Color
RYB	168, 172, 174
Decimal	11054764
CIELab	70.58, -2.49, 0.28
CIELCh	71, 2.505, 173.554
Yxy	41.5755, 0.3091, 0.3318
Android (android.graphics.Color)	4289244844 (0xFFA8AEAC)
YUV	171.9780, 0.0108, -3.4887
Hunter-Lab	64.4791, -5.6181, 3.7446

Details

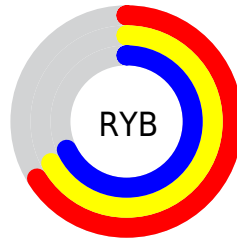
The XYZ color **38.7309, 41.5755, 45.0133** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.7154, 39.9073, 43.6946**, and the grayscale version is **39.2036, 41.2452, 44.9160**.

A 20% lighter version of the original color is **72.3159, 77.2726, 83.7767**, and **17.5522, 18.9881, 20.5093** is the 20% darker color. If you saturate the color by 10%, you get **34.7263, 39.5752, 41.9792**, and if you desaturate by 10%, it is **43.2580, 43.8446, 48.2008**.

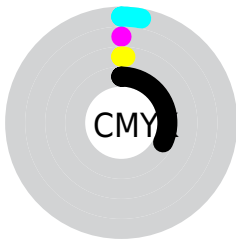
Distribution



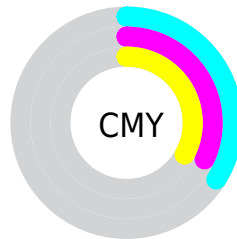
- Red (66%)
- Green (68%)
- Blue (67%)



- Red (66%)
- Yellow (67%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (32%)



- Cyan (34%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7309, 41.5755, 45.0133 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 38.7309, 41.5755, 45.0133 by changing the saturation by 10% instead.

■ 38.7309, 41.5755,
45.0133

■ 38.7309, 41.5755,
45.0133

331.9719,
352.7202, 382.9891

■ 26.7302, 28.7690,
31.1249

■ 72.5237, 77.5568,
84.0590

■ 17.5063, 18.9062,
20.4347

■ 95.0466, 101.5003,
110.0534

■ 10.6936, 11.6025,
12.5242

121.8077,
129.9251, 140.9202

■ 5.9270, 6.4736,
6.9749

153.1721,
163.2154, 177.0779

■ 2.8410, 3.1352,
3.3682

189.5055,
201.7557, 218.9452

■ 1.0702, 1.2027,
1.2856

231.1730,

■ 0.0000, 0.0639,

245.9303, 266.9404

0.0499

278.5400,
296.1237, 321.4822

■ 0.0000, 0.0000,
0.0000

■ 38.7309, 41.5755,
45.0133

■ 38.7309, 41.5755,
45.0133

■ 34.7263, 39.5752,
41.9792

■ 43.2580, 43.8446,
48.2008

■ 31.2208, 37.8283,
39.0931

■ 48.3227, 46.3869,
51.5413

■ 28.1943, 36.3256,
36.3535

■ 53.9441, 49.2132,
55.0381

■ 25.6243, 35.0555,
33.7574

■ 60.1391, 52.3324,
58.6936

■ 23.4861, 34.0054,
31.3021

■ 66.9228, 55.7521,
62.5100

■ 21.7527, 33.1613,
28.9846

■ 67.6191, 56.0306,
66.1762

■ 20.3939, 32.5077,
26.8017

■ 68.3414, 56.3195,
69.9799

■ 19.3753, 32.0269,
24.7500

■ 69.0901, 56.6190,
73.9225

■ 18.6553, 31.6977,
22.8256

■ 69.8654, 56.9291,
78.0053

Harmonies

Analogous

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



38.8797, 41.5755, 43.9284



38.7309, 41.5755, 45.0133



38.7914, 41.5755, 46.1854

Triad

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



38.7309, 41.5755, 45.0133



39.8351, 41.5755, 47.3898



39.9908, 41.5755, 43.4603

Complementary

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



38.7309, 41.5755, 45.0133



38.7154, 39.9073, 43.6946

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.



40.2501, 41.5755, 44.3642



38.7309, 41.5755, 45.0133



40.1598, 41.5755, 46.6359

Square

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



38.7309, 41.5755, 45.0133



39.4270, 41.5755, 47.5709



40.3122, 41.5755, 45.5250



39.6057, 41.5755, 43.0419

Rectangle

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



38.7309, 41.5755, 45.0133



38.9424, 41.5755, 46.8570



40.3122, 41.5755, 45.5250



40.0957, 41.5755, 43.7166

Sweetspot

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



38.7321, 41.5773, 45.0142



72.1612, 76.3686, 83.0276



38.8045, 41.6583, 43.0420



16.0483, 16.9786, 18.4607



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.



38.7321, 41.5773, 45.0142



69.7744, 75.1741, 81.2975



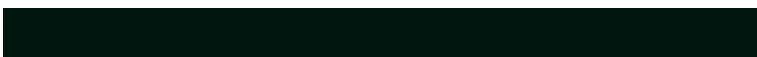
38.7526, 41.3080, 45.9773



8.5453, 9.2381, 9.9800



13.2909, 22.8816, 15.8372



0.3937, 0.6461, 0.5669

Inverse Universe

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



38.7154, 39.9073, 43.6946



69.7389, 71.6144, 78.4846



38.6942, 40.1657, 42.7597



8.5403, 8.7388, 9.5854



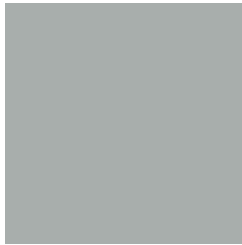
13.2406, 6.7588, 3.6465



0.3942, 0.1983, 0.2374

Previews

White Background



This preview shows how the XYZ color 38.7309, 41.5755, 45.0133 looks on a white background.

Color Contrast Check

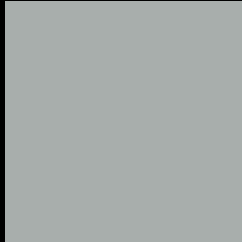
Large Text (above 18pt) WCAG AA × Fail

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 38.7309, 41.5755, 45.0133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

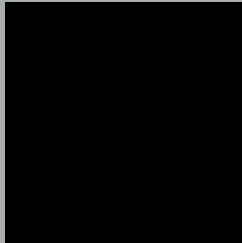
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

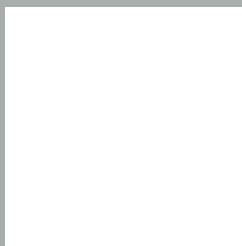
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7309, 41.5755, 45.0133

Background



This preview shows how black text looks on a background with the XYZ color 38.7309, 41.5755, 45.0133.

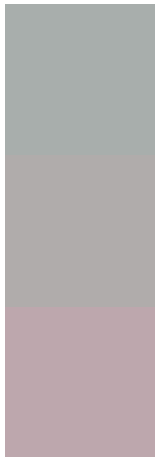


This preview shows how white text looks on a background with the XYZ color 38.7309, 41.5755,

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

38.7309, 41.5755, 45.0133

Protanopia

40.0077, 41.6754, 44.4636

Deuteranopia

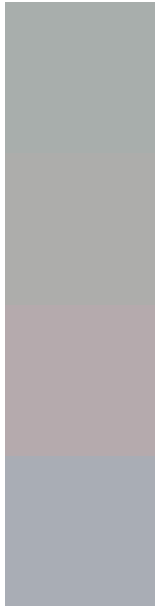
42.3478, 41.4734, 45.3084



Tritanopia

40.1930, 41.5963, 52.3649

Trichromacy



Original Color

38.7309, 41.5755, 45.0133

Protanomaly

39.5278, 41.7117, 44.4959

Deuteranomaly

40.9736, 41.5903, 45.4034

Tritanomaly

39.6462, 41.6584, 49.6673

Monochromacy



Original Color

38.7309, 41.5755, 45.0133

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.1846, 41.5236, 44.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7309, 41.5755, 45.0133 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(168, 174, 172) looks like.

```
.text, #text, p{  
    color:rgb(168, 174, 172)  
}
```

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(168, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 174, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.7309, 41.5755, 45.0133 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(168, 174, 172) }
```


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

```
.border{ border-color:rgb(168, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(168, 174,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7309, 41.5755, 45.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 174, 172) }
```

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

```
.background{ background-color: rgb(168,  
174, 172) }
```

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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