

Converting Colors

XYZ(39.3338, 40.7494, 40.6594)

Have a look what the booklet for
XYZ(39.3338, 40.7494, 40.6594)
contains.

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Color

**XYZ(39.3457, 40.8588,
40.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	B2AAA3
RGB	178, 170, 163
RGB Percent	70%, 67%, 64%
CMY	0.3020, 0.3333, 0.3608
CMYK	0.00, 0.04, 0.08, 0.30
HSL	28°, 9%, 67%
HSV	28°, 8%, 70%
XYZ	39.3457, 40.8588, 40.4631
YIQ	171.5940, 7.0150, -0.4810

Conversions

Conversions Part 2

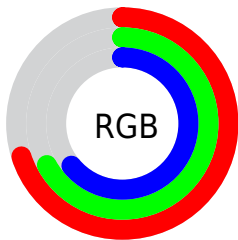
Format	Color
RYB	178, 176, 163
Decimal	11709091
CIELab	70.08, 1.62, 4.62
CIELCh	70, 4.894, 70.679
Yxy	40.8588, 0.3261, 0.3386
Android (android.graphics.Color)	4289899171 (0xFFB2AAA3)
YUV	171.5940, -4.2368, 5.6181
Hunter-Lab	63.9209, -1.9881, 7.2130

Details

The XYZ color **39.3457, 40.8588, 40.4631** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7029, 40.1260, 47.8779**, and the grayscale version is **39.0268, 41.0592, 44.7135**.

A 20% lighter version of the original color is **73.5118, 76.4048, 77.2028**, and **17.8051, 18.4645, 17.6645** is the 20% darker color. If you saturate the color by 10%, you get **36.1470, 36.8362, 32.0744**, and if you desaturate by 10%, it is **42.8997, 45.2316, 50.0788**.

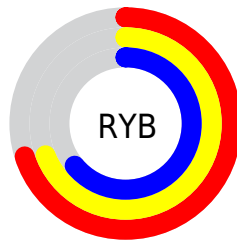
Distribution



Red (70%)

Green (67%)

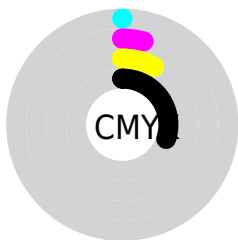
Blue (64%)



Red (70%)

Yellow (69%)

Blue (64%)

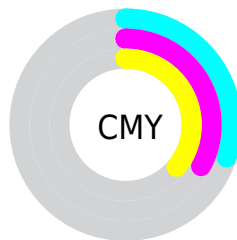


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3457, 40.8588, 40.4631 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 39.3457, 40.8588, 40.4631 by changing the saturation by 10% instead.

■ 39.3457, 40.8588,
40.4631

■ 39.3457, 40.8588,
40.4631

334.5399,
349.7301, 363.6816

■ 27.2107, 28.2088,
27.5833

■ 73.4568, 76.4695,
77.1130

■ 17.8689, 18.4831,
17.7755

■ 96.1637, 100.1990,
101.7201

■ 10.9550, 11.2974,
10.6211

123.1252,
128.3904, 131.0734

■ 6.1037, 6.2672,
5.7017

154.7067,
161.4281, 165.5914

■ 2.9495, 3.0082,
2.5987

191.2735,
199.6965, 205.6927

■ 1.1271, 1.1360,
0.8918

233.1911,

■ 0.0476, 0.0085,

243.5801, 251.7958

0.0000

280.8248,
293.4632, 304.3193

■ 0.0000, 0.0000,
0.0000

■ 39.3457, 40.8588,
40.4631

■ 39.3457, 40.8588,
40.4631

■ 36.1470, 36.8362,
32.0744

■ 42.8997, 45.2316,
50.0788

■ 33.2880, 33.1494,
24.8600

■ 46.8169, 49.9581,
60.9659

■ 30.7572, 29.7905,
18.7672

■ 51.1092, 55.0483,
73.1699

■ 28.5410, 26.7496,
13.7385

■ 55.7872, 60.5104,
86.7332

■ 26.6246, 24.0159,
9.7110

■ 60.8606, 66.3522,
101.6964

■ 24.9918, 21.5781,
6.6149

■ 63.8632, 71.5908,
105.0602

■ 23.6247, 19.4237,
4.3718

■ 66.5297, 76.9239,
105.9491

■ 22.5026, 17.5391,
2.8896

■ 69.3416, 82.5476,
106.8863

■ 21.5927, 15.9054,
2.0124

■ 72.1703, 88.2051,
107.8292

Harmonies

Analogous

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



40.0121, 40.8588, 41.6809



39.3457, 40.8588, 40.4631



38.5510, 40.8588, 40.3022

Triad

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



39.3457, 40.8588, 40.4631



37.3445, 40.8588, 45.3088



39.8453, 40.8588, 47.9100

Complementary

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



39.3457, 40.8588, 40.4631



37.7029, 40.1260, 47.8779

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.



39.1205, 40.8588, 48.9546



39.3457, 40.8588, 40.4631



37.6813, 40.8588, 47.4190

Square

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



39.3457, 40.8588, 40.4631



37.4029, 40.8588, 43.0481



38.3289, 40.8588, 48.7719



40.3033, 40.8588, 45.9603

Rectangle

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



39.3457, 40.8588, 40.4631



38.0563, 40.8588, 40.8097



38.3289, 40.8588, 48.7719



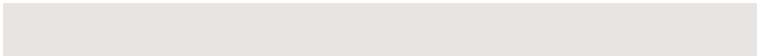
39.6244, 40.8588, 48.3816

Sweetspot

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



39.3468, 40.8606, 40.4640



74.7343, 78.2786, 82.4678



38.8085, 38.6002, 43.9338



16.4429, 17.2018, 17.9610



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



39.3468, 40.8606, 40.4640



70.2935, 72.7781, 70.5638



40.7925, 43.7520, 40.9459



8.8125, 9.1375, 8.9518



15.4178, 11.3342, 1.3751



0.5437, 0.4737, 0.0628

Inverse Universe

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



37.7029, 40.1260, 47.8779



66.7367, 71.1887, 86.6046



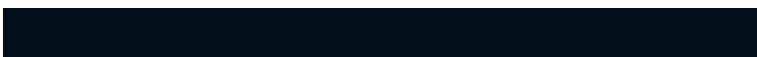
36.3268, 37.3738, 47.4192



8.4045, 8.9552, 10.7919



8.7344, 8.2692, 31.2727



0.3325, 0.3756, 1.0032

Previews

White Background



This preview shows how the XYZ color 39.3457, 40.8588, 40.4631 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 39.3457, 40.8588, 40.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

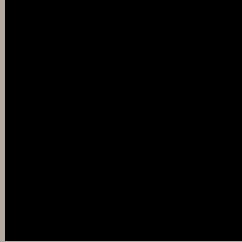
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.3457, 40.8588, 40.4631

Background



This preview shows how black text looks on a background with the XYZ color 39.3457, 40.8588, 40.4631.



This preview shows how white text looks on a background with the XYZ color 39.3457, 40.8588,

40.4631.

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

39.3457, 40.8588, 40.4631

Protanopia

39.0783, 41.0003, 40.5045

Deuteranopia

41.8229, 41.0291, 40.8371



Tritanopia

40.9816, 40.6769, 49.4075

Trichromacy



Original Color

39.3457, 40.8588, 40.4631

Protanomaly

39.3052, 41.1173, 40.5152

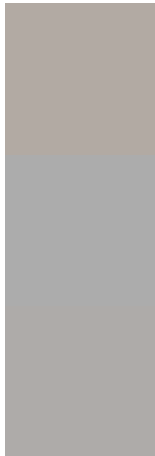
Deuteranomaly

40.7693, 40.7569, 40.8401

Tritanomaly

40.2330, 40.6450, 45.7692

Monochromacy



Original Color

39.3457, 40.8588, 40.4631

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.1799, 40.9891, 43.3828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3457, 40.8588, 40.4631 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(178, 170, 163)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 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(178, 170, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 163) }
```

Border

The CSS property to change the border of an element to XYZ 39.3457, 40.8588, 40.4631 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(178, 170, 163) }
```


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

```
.border{ border-color:rgb(178, 170, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 163);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3457, 40.8588, 40.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 163) }
```

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

```
.background{ background-color: rgb(178,  
170, 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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