

Converting Colors

XYZ(38.9300, 41.3745, 38.4424)

Have a look what the booklet for
XYZ(38.9300, 41.3745, 38.4424)
contains.

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Color

**XYZ(38.8286, 41.2038,
38.2544)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AC9E
RGB	176, 172, 158
RGB Percent	69%, 67%, 62%
CMY	0.3098, 0.3255, 0.3804
CMYK	0.00, 0.02, 0.10, 0.31
HSL	47°, 10%, 65%
HSV	47°, 10%, 69%
XYZ	38.8286, 41.2038, 38.2544
YIQ	171.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

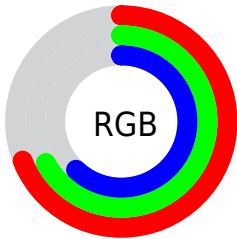
Format	Color
RYB	163, 176, 158
Decimal	11578526
CIELab	70.32, -1.06, 7.70
CIELCh	70, 7.773, 97.852
Yxy	41.2038, 0.3283, 0.3483
Android (android.graphics.Color)	4289768606 (0xFFB0AC9E)
YUV	171.6000, -6.7048, 3.8588
Hunter-Lab	64.1902, -4.3583, 9.5990

Details

The XYZ color **38.8286, 41.2038, 38.2544** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8573, 36.2437, 46.2333**, and the grayscale version is **39.0419, 41.0751, 44.7308**.

A 20% lighter version of the original color is **72.7580, 76.8981, 73.9588**, and **17.5387, 18.7054, 16.5960** is the 20% darker color. If you saturate the color by 10%, you get **36.6885, 39.1765, 30.5945**, and if you desaturate by 10%, it is **41.2099, 43.3653, 47.0662**.

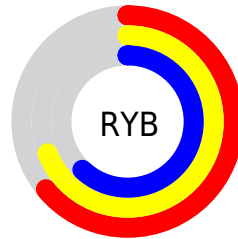
Distribution



Red (69%)

Green (67%)

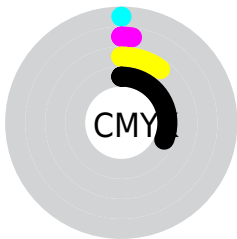
Blue (62%)



Red (64%)

Yellow (69%)

Blue (62%)

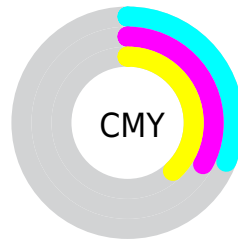


Cyan (0%)

Magenta (2%)

Yellow (10%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8286, 41.2038, 38.2544 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 38.8286, 41.2038, 38.2544 by changing the saturation by 10% instead.

■ 38.8286, 41.2038,
38.2544

■ 38.8286, 41.2038,
38.2544

332.3809,
351.1717, 354.0409

■ 26.8065, 28.4784,
25.8768

■ 72.6722, 76.9932,
73.7056

■ 17.5638, 18.6866,
16.5066

■ 95.2244, 100.8259,
97.6164

■ 10.7351, 11.4440,
9.7251

122.0173,
129.1298, 126.2086

■ 5.9550, 6.3663,
5.1139

153.4164,
162.2894, 159.9009

■ 2.8581, 3.0691,
2.2543

189.7869,
200.6890, 199.1117

■ 1.0792, 1.1679,
0.7055

231.4943,

■ 0.0076, 0.0353,

244.7129, 244.2596

0.0000

278.9039,
294.7457, 295.7631

■ 0.0000, 0.0000,
0.0000

■ 38.8286, 41.2038,
38.2544

■ 38.8286, 41.2038,
38.2544

■ 36.6885, 39.1765,
30.5945

■ 41.2099, 43.3653,
47.0662

■ 34.7767, 37.2739,
24.0353

■ 43.8378, 45.6593,
57.0726

■ 33.0844, 35.4935,
18.5260

■ 46.7217, 48.0914,
68.3177

■ 31.6009, 33.8306,
14.0105

■ 49.8696, 50.6648,
80.8424

■ 30.3142, 32.2804,
10.4275

■ 53.2890, 53.3831,
94.6855

■ 29.2112, 30.8370,
7.7089

■ 55.5710, 55.6828,
102.4267

■ 28.2771, 29.4944,
5.7773

■ 56.4607, 57.4623,
102.7233

■ 27.4944, 28.2452,
4.5413

■ 57.3736, 59.2880,
103.0276

■ 26.8395, 27.0997,
3.8162

■ 58.3097, 61.1603,
103.3396

Harmonies

Analogous

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



40.0956, 41.2038, 38.6630



38.8286, 41.2038, 38.2544



37.6760, 41.2038, 39.5392

Triad

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



38.8286, 41.2038, 38.2544



37.2567, 41.2038, 49.3172



41.4806, 41.2038, 47.5666

Complementary

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



38.8286, 41.2038, 38.2544



34.8573, 36.2437, 46.2333

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.



40.6885, 41.2038, 50.6465



38.8286, 41.2038, 38.2544



38.2449, 41.2038, 51.6948

Square

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



38.8286, 41.2038, 38.2544



36.7815, 41.2038, 45.8312



39.4993, 41.2038, 52.1940



41.6451, 41.2038, 43.9104

Rectangle

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



38.8286, 41.2038, 38.2544



37.1213, 41.2038, 41.2265



39.4993, 41.2038, 52.1940



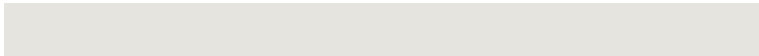
41.2781, 41.2038, 48.7093

Sweetspot

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



38.8297, 41.2056, 38.2553



73.4758, 77.5184, 80.6301



36.6713, 36.3002, 39.3501



15.8476, 16.7312, 17.1918



84.5950, 89.0005, 96.9216



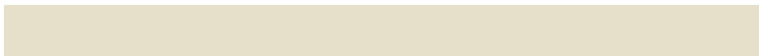
16.2198, 17.0645, 18.5832

Same Dimension

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



38.8297, 41.2056, 38.2553



69.6196, 73.9842, 66.4633



38.5356, 42.2002, 38.4628



9.0338, 9.5802, 9.0256



19.7372, 19.9729, 2.8149



0.6607, 0.7077, 0.1018

Inverse Universe

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



34.8573, 36.2437, 46.2333



61.1332, 63.3843, 83.5076



35.1272, 35.3544, 46.0474



8.1899, 8.5261, 10.7204



6.3210, 3.4423, 30.4683



0.2424, 0.1953, 0.9732

Previews

White Background



This preview shows how the XYZ color 38.8286, 41.2038, 38.2544 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 38.8286, 41.2038, 38.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

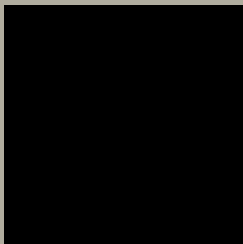
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

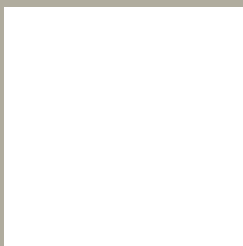
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8286, 41.2038, 38.2544

Background



This preview shows how black text looks on a background with the XYZ color 38.8286, 41.2038, 38.2544.



This preview shows how white text looks on a background with the XYZ color 38.8286, 41.2038,

38.2544.

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

38.8286, 41.2038, 38.2544

Protanopia

39.0946, 41.0594, 38.2125

Deuteranopia

41.8865, 41.1131, 38.5289



Tritanopia

41.0365, 40.9664, 50.0004

Trichromacy



Original Color

38.8286, 41.2038, 38.2544

Protanomaly

38.8659, 40.9416, 38.2018

Deuteranomaly

40.7542, 41.0733, 38.5808

Tritanomaly

40.0909, 40.8580, 45.3085

Monochromacy



Original Color

38.8286, 41.2038, 38.2544

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.9612, 41.1793, 42.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8286, 41.2038, 38.2544 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, 172, 158)` looks like.

```
.text, #text, p{  
    color:rgb(176, 172, 158)  
}
```

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, 172, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 172, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.8286, 41.2038, 38.2544 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, 172, 158) }
```


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

```
.border{ border-color:rgb(176, 172, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 172, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 172, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 172, 158);  
box-shadow:4px 4px 4px 4px rgb(176, 172,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8286, 41.2038, 38.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 172, 158) }
```

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

```
.background{ background-color: rgb(176,  
172, 158) }
```

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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