

Converting Colors

XYZ(38.7138, 39.6211, 42.0624)

Have a look what the booklet for
XYZ(38.7138, 39.6211, 42.0624)
contains.

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Color

**XYZ(38.6983, 39.6576,
42.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A7A7
RGB	176, 167, 167
RGB Percent	69%, 65%, 65%
CMY	0.3098, 0.3451, 0.3451
CMYK	0.00, 0.05, 0.05, 0.31
HSL	0°, 5%, 67%
HSV	0°, 5%, 69%
XYZ	38.6983, 39.6576, 42.1743
YIQ	169.6910, 5.3640, 1.9080

Conversions

Conversions Part 2

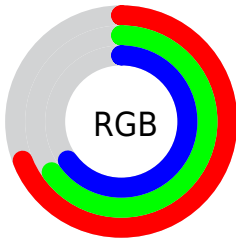
Format	Color
RYB	176, 167, 167
Decimal	11577255
CIELab	69.22, 3.24, 1.15
CIElCh	69, 3.434, 19.567
Yxy	39.6576, 0.3211, 0.3290
Android (android.graphics.Color)	4289767335 (0xFFB0A7A7)
YUV	169.6910, -1.3267, 5.5330
Hunter-Lab	62.9743, -0.5150, 4.3751

Details

The XYZ color **38.6983, 39.6576, 42.1743** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.2981, 42.4001, 47.1877**, and the grayscale version is **38.0602, 40.0423, 43.6060**.

A 20% lighter version of the original color is **72.5848, 74.6723, 79.6948**, and **17.5374, 17.7844, 18.7281** is the 20% darker color. If you saturate the color by 10%, you get **34.1741, 33.0380, 33.1778**, and if you desaturate by 10%, it is **43.8847, 47.2463, 52.4851**.

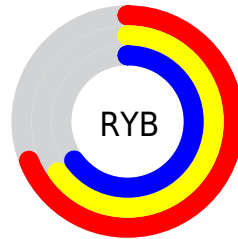
Distribution



Red (69%)

Green (65%)

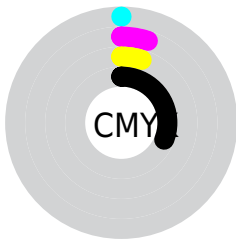
Blue (65%)



Red (69%)

Yellow (65%)

Blue (65%)

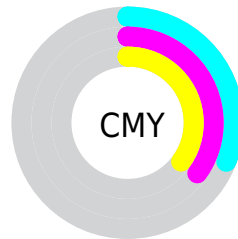


Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6983, 39.6576, 42.1743 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 38.6983, 39.6576, 42.1743 by changing the saturation by 10% instead.

■ 38.6983, 39.6576,
42.1743

■ 38.6983, 39.6576,
42.1743

331.8354,
344.6783, 371.0259

■ 26.7048, 27.2717,
28.9112

■ 72.4742, 74.6418,
79.7363

■ 17.4871, 17.7774,
18.7687

■ 94.9873, 98.0089,
104.8723

■ 10.6798, 10.7903,
11.3281

121.7377,
125.8052, 134.8030

■ 5.9177, 5.9260,
6.1710

153.0906,
158.4151, 169.9469

■ 2.8353, 2.8001,
2.8789

189.4115,
196.2230, 210.7226

■ 1.0673, 1.0283,
1.0331

231.0657,

■ 0.0000, 0.0000,

239.6132, 257.5487

0.0000

278.4185,
288.9702, 310.8436

■ 38.6983, 39.6576,
42.1743

■ 38.6983, 39.6576,
42.1743

■ 34.1741, 33.0380,
33.1778

■ 43.8847, 47.2463,
52.4851

■ 30.2824, 27.3435,
25.4402

■ 49.7550, 55.8354,
64.1572

■ 26.9959, 22.5346,
18.9064

■ 56.3339, 65.4614,
77.2386

■ 24.2843, 18.5667,
13.5157

■ 63.6440, 76.1571,
91.7742

■ 22.1145, 15.3917,
9.2026

■ 71.7066, 87.9539,
107.8052

■ 20.4502, 12.9562,
5.8946

■ 71.7147, 87.9702,
107.8079

■ 19.2506, 11.2005,
3.5106

■ 18.4684, 10.0557,
1.9566

■ 18.0458, 9.4370,
1.1174

Harmonies

Analogous

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



38.7427, 39.6576, 43.7310



38.6983, 39.6576, 42.1743



38.3832, 39.6576, 40.9166

Triad

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



38.6983, 39.6576, 42.1743



36.8944, 39.6576, 41.2463



37.5022, 39.6576, 46.2270

Complementary

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



38.6983, 39.6576, 42.1743



39.2981, 42.4001, 47.1877

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.



37.0119, 39.6576, 45.5262



38.6983, 39.6576, 42.1743



36.6632, 39.6576, 42.6344

Square

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



38.6983, 39.6576, 42.1743



37.3404, 39.6576, 40.3899



36.7060, 39.6576, 44.2023



38.0485, 39.6576, 46.0965

Rectangle

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



38.6983, 39.6576, 42.1743



38.0636, 39.6576, 40.4049



36.7060, 39.6576, 44.2023



37.3255, 39.6576, 46.0802

Sweetspot

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



38.6994, 39.6593, 42.1752



72.9525, 75.9744, 81.9893



39.5603, 40.0027, 46.7111



15.8320, 16.4971, 17.8122



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.



38.6994, 39.6593, 42.1752



69.3206, 70.6602, 74.7681



39.5377, 41.3358, 42.4546



8.7989, 8.9480, 9.4475



13.1374, 6.7735, 0.6150



0.4134, 0.2133, 0.0194

Inverse Universe

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



39.2981, 42.4001, 47.1877



70.6085, 76.5560, 85.5506



38.4309, 40.6658, 46.8986



8.9742, 9.7507, 10.9154



17.1323, 25.0650, 34.0721



0.5391, 0.7888, 1.0721

Previews

White Background



This preview shows how the XYZ color 38.6983, 39.6576, 42.1743 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 38.6983, 39.6576, 42.1743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

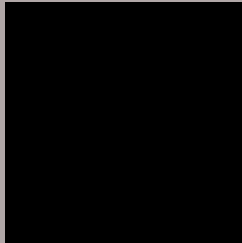
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6983, 39.6576, 42.1743

Background



This preview shows how black text looks on a background with the XYZ color 38.6983, 39.6576, 42.1743.



This preview shows how white text looks on a background with the XYZ color 38.6983, 39.6576,

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

38.6983, 39.6576, 42.1743

Protanopia

38.0838, 39.6031, 42.6827

Deuteranopia

40.5930, 39.8172, 42.5918



Tritanopia

39.8511, 39.5896, 47.6607

Trichromacy



Original Color

38.6983, 39.6576, 42.1743

Protanomaly

38.3041, 39.7167, 42.6930

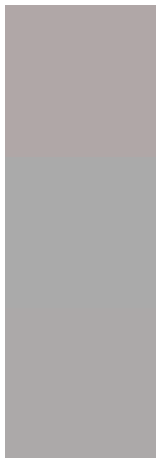
Deuteranomaly

39.8144, 39.6825, 42.6068

Tritanomaly

39.4077, 39.6755, 45.6255

Monochromacy



Original Color

38.6983, 39.6576, 42.1743

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.3627, 40.0112, 43.2371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6983, 39.6576, 42.1743 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, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 167, 167)  
}
```

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, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 167, 167) }
```

Border

The CSS property to change the border of an element to XYZ 38.6983, 39.6576, 42.1743 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, 167, 167) }
```


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

```
.border{ border-color:rgb(176, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 167,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6983, 39.6576, 42.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 167, 167) }
```

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

```
.background{ background-color: rgb(176,  
167, 167) }
```

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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