

Converting Colors

XYZ(38.9200, 39.6704, 43.1273)

Have a look what the booklet for
XYZ(38.9200, 39.6704, 43.1273)
contains.

XYZ(38.8846, 39.7321, 43.1557)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8846, 39.7321,
43.1557)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A7A9
RGB	176, 167, 169
RGB Percent	69%, 65%, 66%
CMY	0.3098, 0.3451, 0.3373
CMYK	0.00, 0.05, 0.04, 0.31
HSL	347°, 5%, 67%
HSV	347°, 5%, 69%
XYZ	38.8846, 39.7321, 43.1557
YIQ	169.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

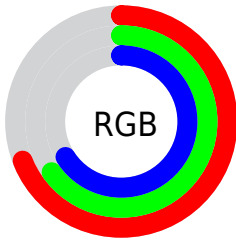
Format	Color
RYB	176, 167, 169
Decimal	11577257
CIELab	69.28, 3.60, 0.12
CIELCh	69, 3.602, 1.909
Yxy	39.7321, 0.3193, 0.3263
Android (android.graphics.Color)	4289767337 (0xFFB0A7A9)
YUV	169.9190, -0.4531, 5.3330
Hunter-Lab	63.0334, -0.1938, 3.5306

Details

The XYZ color **38.8846, 39.7321, 43.1557** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.1031, 42.3231, 46.1547**, and the grayscale version is **38.1696, 40.1574, 43.7314**.

A 20% lighter version of the original color is **72.8545, 74.7802, 81.1152**, and **17.6538, 17.8309, 19.3409** is the 20% darker color. If you saturate the color by 10%, you get **34.6584, 33.2301, 35.7332**, and if you desaturate by 10%, it is **43.6865, 47.1690, 51.4354**.

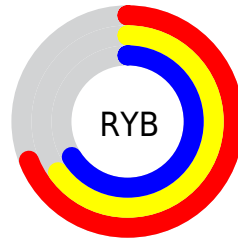
Distribution



Red (69%)

Green (65%)

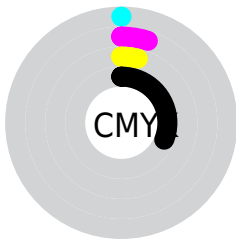
Blue (66%)



Red (69%)

Yellow (65%)

Blue (66%)

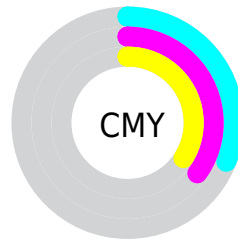


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (31%)



Cyan (31%)


Magenta (35%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8846, 39.7321, 43.1557 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 38.8846, 39.7321, 43.1557 by changing the saturation by 10% instead.


 38.8846, 39.7321,
43.1557


 38.8846, 39.7321,
43.1557

332.6152,
344.9931, 375.1917

 26.8503, 27.3297,
29.6750


 72.7572, 74.7554,
81.2346

 17.5968, 17.8210,
19.3421


 95.3262, 98.1451,
106.6700

 10.7588, 10.8216,
11.7384


122.1374,
125.9660, 136.9272

 5.9710, 5.9470,
6.4454

153.5563,
158.6026, 172.4250

 2.8680, 2.8129,
3.0446

189.9482,
196.4392, 213.5818

 1.0843, 1.0348,
1.1175

231.6784,

 0.0119, 0.0000,

239.8602, 260.8161

0.0000

279.1123,
289.2501, 314.5466

■ 0.0000, 0.0000,
0.0000

■ 38.8846, 39.7321,
43.1557

■ 38.8846, 39.7321,
43.1557

■ 34.6584, 33.2301,
35.7332

■ 43.6865, 47.1690,
51.4354

■ 30.9829, 27.6211,
29.1378

■ 49.0813, 55.5705,
60.5960

■ 27.8361, 22.8673,
23.3412

■ 55.0897, 64.9713,
70.6636

■ 25.1930, 18.9266,
18.3126

■ 61.7303, 75.4028,
81.6624

■ 23.0271, 15.7532,
14.0192

■ 69.0195, 86.8921,
93.6151

■ 21.3088, 13.2965,
10.4257

■ 71.1030, 87.7255,
104.5870

■ 20.0055, 11.4999,
7.4939

■ 71.7147, 87.9702,
107.8079

■ 19.0798, 10.2985,
5.1815

■ 18.4864, 9.6123,
3.4408

Harmonies

Analogous

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



38.7520, 39.7321, 44.7759



38.8846, 39.7321, 43.1557



38.7144, 39.7321, 41.6027

Triad

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



38.8846, 39.7321, 43.1557



37.1804, 39.7321, 40.6183



37.2438, 39.7321, 46.1274

Complementary

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



38.8846, 39.7321, 43.1557



39.1031, 42.3231, 46.1547

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.



36.8296, 39.7321, 44.9639



38.8846, 39.7321, 43.1557



36.7932, 39.7321, 41.7816

Square

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



38.8846, 39.7321, 43.1557



37.7272, 39.7321, 40.1611



36.6655, 39.7321, 43.3675



37.8012, 39.7321, 46.5175

Rectangle

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



38.8846, 39.7321, 43.1557



38.4532, 39.7321, 40.8072



36.6655, 39.7321, 43.3675



37.0834, 39.7321, 45.8123

Sweetspot

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



38.8857, 39.7338, 43.1566



73.0915, 76.0292, 82.7230



39.0897, 39.7610, 46.6891



15.8605, 16.5084, 17.9628



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.



38.8857, 39.7338, 43.1566



69.7177, 70.8171, 76.8650



39.1433, 40.5466, 42.3245



8.8528, 8.9693, 9.7323



13.4250, 6.8876, 2.1321



0.4443, 0.2255, 0.1826

Inverse Universe

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



38.8857, 39.7338, 43.1566



69.7177, 70.8171, 76.8650



38.8330, 41.4690, 47.0323



8.8528, 8.9693, 9.7323



13.4250, 6.8876, 2.1321



0.4443, 0.2255, 0.1826

Previews

White Background



This preview shows how the XYZ color 38.8846, 39.7321, 43.1557 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 38.8846, 39.7321, 43.1557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

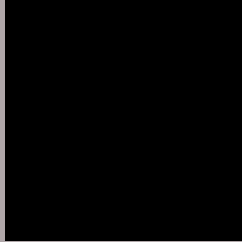
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8846, 39.7321, 43.1557

Background



This preview shows how black text looks on a background with the XYZ color 38.8846, 39.7321, 43.1557.

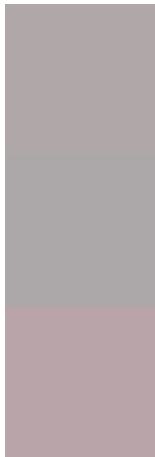


This preview shows how white text looks on a background with the XYZ color 38.8846, 39.7321,

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

38.8846, 39.7321, 43.1557

Protanopia

38.2716, 39.6782, 43.6717

Deuteranopia

40.5387, 39.7675, 43.5695



Tritanopia

39.9044, 39.8742, 48.2411

Trichromacy



Original Color

38.8846, 39.7321, 43.1557

Protanomaly

38.4919, 39.7918, 43.6821

Deuteranomaly

40.0022, 39.7576, 43.5959

Tritanomaly

39.5055, 39.7147, 46.1410

Monochromacy



Original Color

38.8846, 39.7321, 43.1557

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4569, 40.0489, 43.7335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8846, 39.7321, 43.1557 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(176, 167, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 167, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.8846, 39.7321, 43.1557 is called "border". The border property can be set on classes, ids or directly on the HTML element.

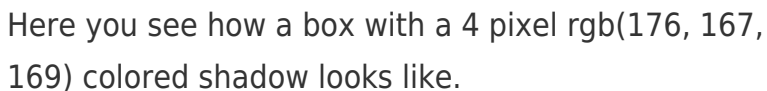
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 167, 169) }
```


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

```
.border{ border-color:rgb(176, 167, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 167, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 167, 169); box-shadow:4px 4px 4px 4px rgb(176, 167, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8846, 39.7321, 43.1557 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, 169) }
```

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

```
.background{ background-color: rgb(176,  
167, 169) }
```

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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