

Converting Colors

XYZ(38.9491, 42.2940, 49.2914)

Have a look what the booklet for
XYZ(38.9491, 42.2940, 49.2914)
contains.

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Color

**XYZ(38.8678, 42.1325,
49.2638)**

Conversions

Conversions Part 1

Format	Color
Hex	A3B0B4
RGB	163, 176, 180
RGB Percent	64%, 69%, 71%
CMY	0.3608, 0.3098, 0.2941
CMYK	0.09, 0.02, 0.00, 0.29
HSL	194°, 10%, 67%
HSV	194°, 9%, 71%
XYZ	38.8678, 42.1325, 49.2638
YIQ	172.5690, -9.0320, -1.5120

Conversions

Conversions Part 2

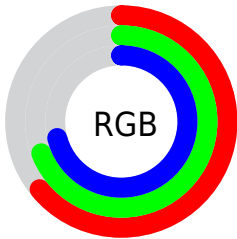
Format	Color
RYB	163, 170, 180
Decimal	10727604
CIELab	70.96, -3.71, -3.60
CIElCh	71, 5.174, 224.160
Yxy	42.1325, 0.2984, 0.3234
Android (android.graphics.Color)	4288917684 (0xFFA3B0B4)
YUV	172.5690, 3.6635, -8.3920
Hunter-Lab	64.9096, -6.7060, 0.4379

Details

The XYZ color **38.8678, 42.1325, 49.2638** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.2521, 39.9847, 40.3000**, and the grayscale version is **39.4874, 41.5438, 45.2412**.

A 20% lighter version of the original color is **72.9104, 78.6748, 90.6998**, and **17.5940, 19.3271, 22.8819** is the 20% darker color. If you saturate the color by 10%, you get **34.6247, 38.7334, 48.8320**, and if you desaturate by 10%, it is **43.6638, 45.8573, 49.7306**.

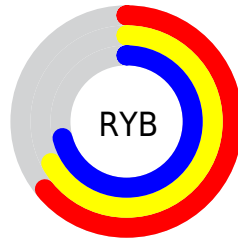
Distribution



Red (64%)

Green (69%)

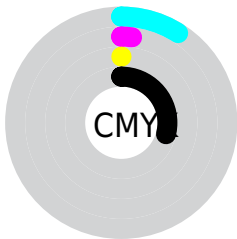
Blue (71%)



Red (64%)

Yellow (67%)

Blue (71%)

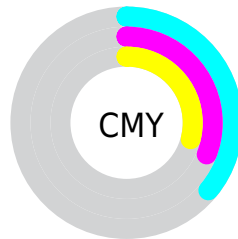


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (29%)



Cyan (36%)

Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8678, 42.1325, 49.2638 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 38.8678, 42.1325, 49.2638 by changing the saturation by 10% instead.

■ 38.8678, 42.1325,
49.2638

■ 38.8678, 42.1325,
49.2638

332.5450,
355.0319, 400.4322

■ 26.8372, 29.2051,
34.4617

■ 72.7317, 78.4001,
90.4682

■ 17.5869, 19.2360,
22.9683

■ 95.2956, 102.5091,
117.7075

■ 10.7517, 11.8409,
14.3650

122.1014,
131.1140, 149.9297

■ 5.9662, 6.6355,
8.2333

153.5144,
164.5993, 187.5533

■ 2.8650, 3.2352,
4.1547

189.8998,
203.3493, 230.9968

■ 1.0828, 1.2557,
1.7106

231.6232,

■ 0.0106, 0.1065,

247.7485, 280.6788

0.3680

279.0498,
298.1812, 337.0177

■ 0.0000, 0.0000,
0.0000

■ 38.8678, 42.1325,
49.2638

■ 38.8678, 42.1325,
49.2638

■ 34.6247, 38.7334,
48.8320

■ 43.6638, 45.8573,
49.7306

■ 30.9087, 35.6429,
48.4313

■ 49.0300, 49.9137,
50.2308

■ 27.6969, 32.8502,
48.0616

■ 54.9875, 54.3140,
50.7661

■ 24.9638, 30.3415,
47.7214

■ 61.5551, 59.0683,
51.3376

■ 22.6812, 28.1021,
47.4094

■ 68.7510, 64.1861,
51.9462

■ 20.8179, 26.1155,
47.1242

■ 70.4579, 66.5144,
52.3057

■ 19.3385, 24.3631,
46.8639

■ 71.4607, 68.5201,
52.6399

■ 18.2016, 22.8231,
46.6266

■ 72.4910, 70.5807,
52.9834

■ 17.3269, 21.4538,
46.4084

■ 73.5489, 72.6965,
53.3360

Harmonies

Analogous

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



38.4592, 42.1325, 47.0467



38.8678, 42.1325, 49.2638



39.5948, 42.1325, 50.5972

Triad

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



38.8678, 42.1325, 49.2638



41.6622, 42.1325, 47.1837



39.6414, 42.1325, 41.4227

Complementary

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



38.8678, 42.1325, 49.2638



39.2521, 39.9847, 40.3000

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.



40.5000, 42.1325, 41.4564



38.8678, 42.1325, 49.2638



41.6751, 42.1325, 44.7232

Square

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



38.8678, 42.1325, 49.2638



41.2121, 42.1325, 49.3671



41.2471, 42.1325, 42.6455



38.9015, 42.1325, 42.5518

Rectangle

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



38.8678, 42.1325, 49.2638



40.1661, 42.1325, 50.7766



41.2471, 42.1325, 42.6455



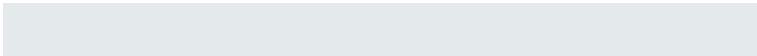
39.9255, 42.1325, 41.2997

Sweetspot

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



38.8690, 42.1343, 49.2647



75.9172, 80.6443, 89.8592



38.3981, 43.2185, 42.8619



16.2564, 17.3124, 19.4071



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.



38.8690, 42.1343, 49.2647



69.0640, 75.2805, 89.1851



37.2598, 38.9158, 48.7283



8.5699, 9.2861, 10.8470



12.1140, 15.0284, 32.3993



0.4224, 0.5554, 1.0332

Inverse Universe

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



39.7570, 39.0331, 46.5151



70.9566, 68.7251, 83.3123



40.8548, 43.1902, 40.8343



8.7629, 8.6119, 10.2497



16.3493, 8.0573, 17.5310



0.5352, 0.2618, 0.6612

Previews

White Background



This preview shows how the XYZ color 38.8678, 42.1325, 49.2638 looks on a white background.

Color Contrast Check

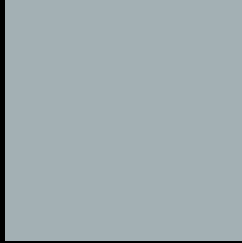
Large Text (above 18pt) WCAG AA × Fail

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 38.8678, 42.1325, 49.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

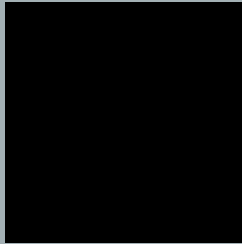
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

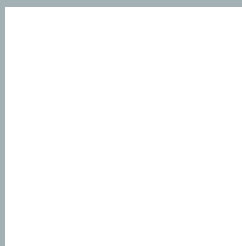
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8678, 42.1325, 49.2638

Background



This preview shows how black text looks on a background with the XYZ color 38.8678, 42.1325, 49.2638.



This preview shows how white text looks on a background with the XYZ color 38.8678, 42.1325,

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

38.8678, 42.1325, 49.2638

Protanopia

40.6586, 42.2155, 48.1249

Deuteranopia

42.9396, 41.9475, 50.0895



Tritanopia

39.8251, 42.2266, 54.1956

Trichromacy



Original Color

38.8678, 42.1325, 49.2638

Protanomaly

40.0673, 42.1847, 48.6785

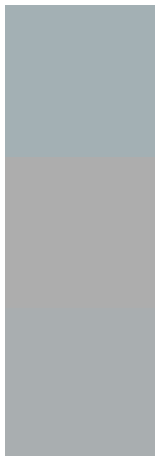
Deuteranomaly

41.2635, 41.9270, 49.6340

Tritanomaly

39.5027, 42.0976, 52.4980

Monochromacy



Original Color

38.8678, 42.1325, 49.2638

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3347, 41.8417, 47.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8678, 42.1325, 49.2638 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(163, 176, 180)` looks like.

```
.text, #text, p{  
    color:rgb(163, 176, 180)  
}
```

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(163, 176, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 176, 180) }
```

Border

The CSS property to change the border of an element to XYZ 38.8678, 42.1325, 49.2638 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(163, 176, 180) }
```


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

```
.border{ border-color:rgb(163, 176, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 176, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 176, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 176, 180);  
box-shadow:4px 4px 4px 4px rgb(163, 176,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8678, 42.1325, 49.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 176, 180) }
```

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

```
.background{ background-color: rgb(163,  
176, 180) }
```

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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