

Converting Colors

XYZ(38.7631, 42.8608, 44.4835)

Have a look what the booklet for
XYZ(38.7631, 42.8608, 44.4835)
contains.

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Color

**XYZ(38.6931, 42.7424,
44.2410)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B2AA
RGB	165, 178, 170
RGB Percent	65%, 70%, 67%
CMY	0.3529, 0.3019, 0.3333
CMYK	0.07, 0.00, 0.04, 0.30
HSL	143°, 8%, 67%
HSV	143°, 7%, 70%
XYZ	38.6931, 42.7424, 44.2410
YIQ	173.2010, -5.1800, -5.2440

Conversions

Conversions Part 2

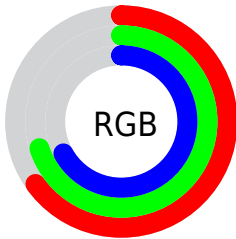
Format	Color
RYB	165, 174, 178
Decimal	10859178
CIELab	71.38, -6.07, 2.52
CIELCh	71, 6.572, 157.434
Yxy	42.7424, 0.3079, 0.3401
Android (android.graphics.Color)	4289049258 (0xFFA5B2AA)
YUV	173.2010, -1.5781, -7.1923
Hunter-Lab	65.3777, -8.7675, 5.6429

Details

The XYZ color **38.6931, 42.7424, 44.2410** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.3595, 39.3934, 45.0663**, and the grayscale version is **39.8337, 41.9081, 45.6380**.

A 20% lighter version of the original color is **72.5286, 79.4975, 82.7561**, and **17.4137, 19.4859, 19.9829** is the 20% darker color. If you saturate the color by 10%, you get **34.2519, 40.5689, 38.8472**, and if you desaturate by 10%, it is **43.7385, 45.2198, 50.1157**.

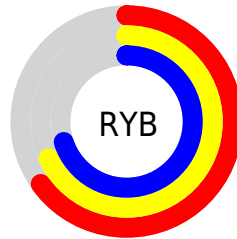
Distribution



Red (65%)

Green (70%)

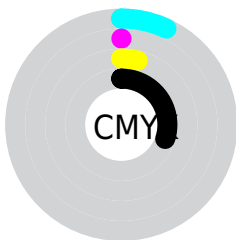
Blue (67%)



Red (65%)

Yellow (68%)

Blue (70%)

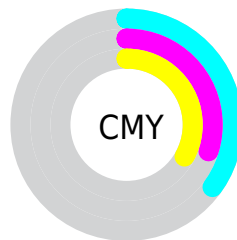


Cyan (7%)

Magenta (0%)

Yellow (4%)

Black (30%)



Cyan (35%)

Magenta (30%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6931, 42.7424, 44.2410 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 38.6931, 42.7424, 44.2410 by changing the saturation by 10% instead.

■ 38.6931, 42.7424,
44.2410

■ 38.6931, 42.7424,
44.2410

331.8136,
357.5513, 379.7609

■ 26.7007, 29.6831,
30.5214

■ 72.4663, 79.3220,
82.8866

■ 17.4840, 19.5981,
19.9793

■ 94.9779, 103.6110,
108.6497

■ 10.6776, 12.1033,
12.1961

121.7265,
132.4121, 139.2644

■ 5.9162, 6.8140,
6.7532

153.0776,
166.1095, 175.1493

■ 2.8343, 3.3461,
3.2321

189.3965,
205.0878, 216.7228

■ 1.0668, 1.3150,
1.2144

231.0486,

■ 0.0000, 0.1528,

249.7312, 264.4036

0.0000

278.3991,
300.4243, 318.6101

■ 0.0000, 0.0000,
0.0000

■ 38.6931, 42.7424,
44.2410

■ 38.6931, 42.7424,
44.2410

■ 34.2519, 40.5689,
38.8472

■ 43.7385, 45.2198,
50.1157

■ 30.3879, 38.6820,
33.9195

■ 49.4064, 48.0067,
56.4802

■ 27.0776, 37.0710,
29.4463

■ 55.7187, 51.1154,
63.3464

■ 24.2943, 35.7226,
25.4145

■ 62.6955, 54.5560,
70.7253

■ 22.0091, 34.6219,
21.8104

■ 70.3556, 58.3380,
78.6273

■ 20.1901, 33.7529,
18.6196

■ 72.2627, 59.1431,
86.7605

■ 18.8016, 33.0975,
15.8267

■ 73.9016, 59.7986,
95.3907

■ 17.8021, 32.6346,
13.4154

■ 75.2112, 60.3225,
102.2871

■ 17.1316, 32.3336,
11.3676

Harmonies

Analogous

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



39.3464, 42.7424, 41.8688



38.6931, 42.7424, 44.2410



38.5530, 42.7424, 47.3317

Triad

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



38.6931, 42.7424, 44.2410



40.9011, 42.7424, 52.8433



42.3375, 42.7424, 42.9345

Complementary

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



38.6931, 42.7424, 44.2410



39.3595, 39.3934, 45.0663

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.



42.7707, 42.7424, 45.7556



38.6931, 42.7424, 44.2410



41.9317, 42.7424, 51.5446

Square

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



38.6931, 42.7424, 44.2410



39.8148, 42.7424, 52.3928



42.6209, 42.7424, 48.9157



41.4469, 42.7424, 41.1387

Rectangle

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



38.6931, 42.7424, 44.2410



38.7670, 42.7424, 49.4019



42.6209, 42.7424, 48.9157



42.5421, 42.7424, 43.7893

Sweetspot

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



38.6943, 42.7442, 44.2419



74.8483, 79.8068, 85.7300



39.9508, 43.4456, 41.8780



16.6045, 17.6919, 19.0189



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.



38.6943, 42.7442, 44.2419



68.5942, 76.7396, 78.3506



39.3232, 42.9958, 47.5539



8.5197, 9.5424, 9.7305



12.1764, 23.0965, 7.9318



0.4121, 0.7383, 0.4024

Inverse Universe

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



39.3595, 39.3934, 45.0663



70.0874, 69.2178, 80.2008



38.7469, 39.1483, 41.8402



8.7088, 8.5902, 9.9648



15.1646, 7.5834, 11.2927



0.5046, 0.2496, 0.4999

Previews

White Background



This preview shows how the XYZ color 38.6931, 42.7424, 44.2410 looks on a white background.

Color Contrast Check

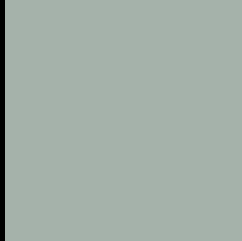
Large Text (above 18pt) WCAG AA × Fail

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 38.6931, 42.7424, 44.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

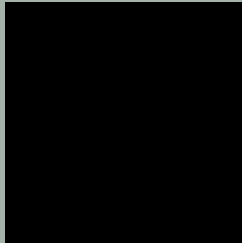
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

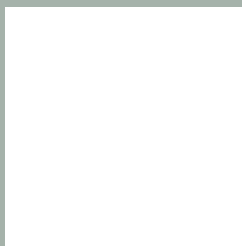
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6931, 42.7424, 44.2410

Background



This preview shows how black text looks on a background with the XYZ color 38.6931, 42.7424, 44.2410.



This preview shows how white text looks on a background with the XYZ color 38.6931, 42.7424,

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

38.6931, 42.7424, 44.2410

Protanopia

40.7943, 42.6830, 43.1343

Deuteranopia

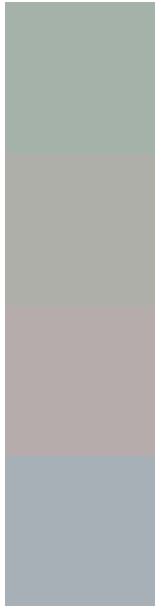
43.3726, 42.5610, 44.9588



Tritanopia

40.6637, 42.6589, 54.2349

Trichromacy



Original Color

38.6931, 42.7424, 44.2410

Protanomaly

39.9470, 42.5232, 43.6385

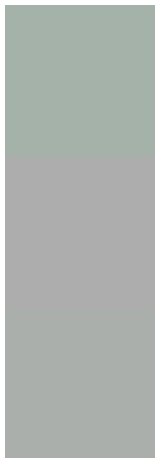
Deuteranomaly

41.3946, 42.3904, 44.5285

Tritanomaly

39.9052, 42.6436, 50.3838

Monochromacy



Original Color

38.6931, 42.7424, 44.2410

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3539, 42.1845, 45.0980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6931, 42.7424, 44.2410 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(165, 178, 170)` looks like.

```
.text, #text, p{  
    color:rgb(165, 178, 170)  
}
```

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(165, 178, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 178, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.6931, 42.7424, 44.2410 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(165, 178, 170) }
```


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

```
.border{ border-color:rgb(165, 178, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 178, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 178, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 178, 170);  
box-shadow:4px 4px 4px 4px rgb(165, 178,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6931, 42.7424, 44.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 178, 170) }
```

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

```
.background{ background-color: rgb(165,  
178, 170) }
```

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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