

Converting Colors

XYZ(31.0110, 38.8119, 42.4397)

Have a look what the booklet for
XYZ(31.0110, 38.8119, 42.4397)
contains.

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Color

**XYZ(31.0638, 38.8418,
42.4192)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB2A7
RGB	123, 178, 167
RGB Percent	48%, 70%, 65%
CMY	0.5176, 0.3019, 0.3451
CMYK	0.31, 0.00, 0.06, 0.30
HSL	168°, 26%, 59%
HSV	168°, 31%, 70%
XYZ	31.0638, 38.8418, 42.4192
YIQ	160.3010, -29.2490, -15.0810

Conversions

Conversions Part 2

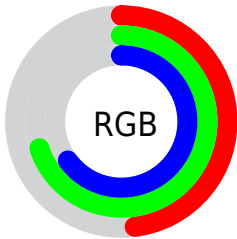
Format	Color
RYB	123, 154, 178
Decimal	8106663
CIELab	68.64, -20.40, -0.15
CIElCh	69, 20.403, 180.410
Yxy	38.8418, 0.2766, 0.3458
Android (android.graphics.Color)	4286296743 (0xFF7BB2A7)
YUV	160.3010, 3.3026, -32.7130
Hunter-Lab	62.3232, -20.0957, 3.2715

Details

The XYZ color **31.0638, 38.8418, 42.4192** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.7475, 25.3531, 25.8815**, and the grayscale version is **33.5483, 35.2954, 38.4367**.

A 20% lighter version of the original color is **60.7391, 73.4667, 80.0864**, and **13.1006, 17.2828, 18.8651** is the 20% darker color. If you saturate the color by 10%, you get **28.4209, 37.5179, 40.6014**, and if you desaturate by 10%, it is **34.1810, 40.4112, 44.3082**.

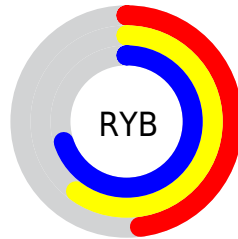
Distribution



Red (48%)

Green (70%)

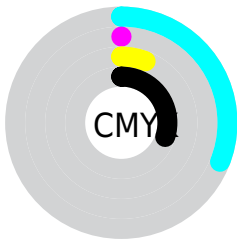
Blue (65%)



Red (48%)

Yellow (60%)

Blue (70%)

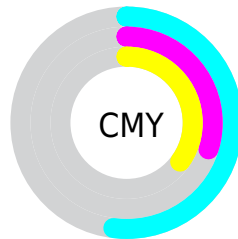


Cyan (31%)

Magenta (0%)

Yellow (6%)

Black (30%)



Cyan (52%)

Magenta (30%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0638, 38.8418, 42.4192 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 31.0638, 38.8418, 42.4192 by changing the saturation by 10% instead.

■ 31.0638, 38.8418,
42.4192

■ 31.0638, 38.8418,
42.4192

298.6538,
341.2174, 372.0685

■ 20.7995, 26.6367,
29.1017

■ 60.7157, 73.3966,
80.1106

■ 13.0891, 17.3005,
18.9115

■ 80.8339, 96.5150,
105.3215

■ 7.5674, 10.4490,
11.4302

■ 104.9676,
124.0400, 135.3340

■ 3.8689, 5.6977,
6.2392

133.4819,
156.3560, 170.5666

■ 1.6282, 2.6621,
2.9199

166.7424,
193.8474, 211.4378

■ 0.4107, 0.9580,
1.0539

205.1143,

■ 0.0000, 0.0000,

236.8984, 258.3662

0.0000

248.9629,
285.8937, 311.7702

■ 31.0638, 38.8418,
42.4192

■ 31.0638, 38.8418,
42.4192

■ 28.4209, 37.5179,
40.6014

■ 34.1810, 40.4112,
44.3082

■ 26.2238, 36.4217,
38.8506

■ 37.7924, 42.2334,
46.2671

■ 24.4460, 35.5406,
37.1660

■ 41.9209, 44.3210,
48.2983

■ 23.0569, 34.8589,
35.5458

■ 46.5870, 46.6847,
50.4031

■ 22.0214, 34.3586,
33.9879

■ 51.8099, 49.3343,
52.5828

■ 21.2983, 34.0182,
32.4900

■ 57.6079, 52.2794,
54.8384

■ 20.8334, 33.8072,
31.1750

■ 63.9986, 55.5289,
57.1713

■ 67.0666, 57.0644,
59.3986

■ 67.4754, 57.2280,
61.5515

Harmonies

Analogous

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



31.7892, 38.8418, 34.1232



31.0638, 38.8418, 42.4192



31.8294, 38.8418, 51.9224

Triad

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



31.0638, 38.8418, 42.4192



40.1430, 38.8418, 59.5105



40.0619, 38.8418, 28.6654

Complementary

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



31.0638, 38.8418, 42.4192



29.7475, 25.3531, 25.8815

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.



42.5219, 38.8418, 33.9330



31.0638, 38.8418, 42.4192



42.5706, 38.8418, 51.6706

Square

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



31.0638, 38.8418, 42.4192



36.9623, 38.8418, 62.6275



43.4650, 38.8418, 42.1653



36.8737, 38.8418, 26.9173

Rectangle

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



31.0638, 38.8418, 42.4192



33.1094, 38.8418, 57.4889



43.4650, 38.8418, 42.1653



41.0079, 38.8418, 30.0414

Sweetspot

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



31.0649, 38.8434, 42.4201



69.7680, 77.2091, 84.5316



29.4750, 38.4165, 24.6011



15.2298, 16.9908, 18.6119



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.



31.0649, 38.8434, 42.4201



53.0085, 68.7698, 74.6861



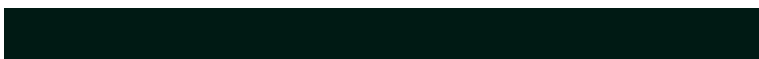
29.1993, 33.4144, 47.0320



8.6683, 9.6018, 10.5132



14.9286, 24.1974, 22.4246



0.4883, 0.7688, 0.8033

Inverse Universe

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



29.7475, 25.3531, 25.8815



50.2471, 40.4385, 39.9797



31.1089, 29.2410, 22.7439



8.5636, 8.5321, 9.2002



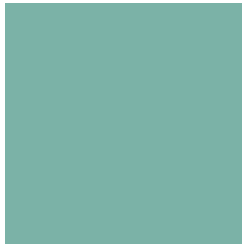
13.3790, 6.8692, 1.8899



0.4413, 0.2243, 0.1665

Previews

White Background



This preview shows how the XYZ color 31.0638, 38.8418, 42.4192 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 31.0638, 38.8418, 42.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

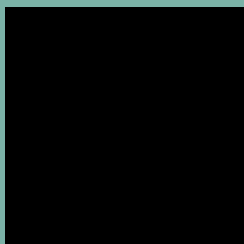
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

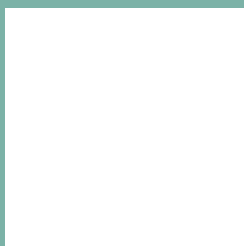
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0638, 38.8418, 42.4192

Background



This preview shows how black text looks on a background with the XYZ color 31.0638, 38.8418, 42.4192.

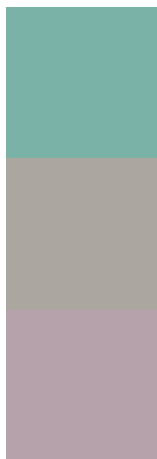


This preview shows how white text looks on a background with the XYZ color 31.0638, 38.8418,

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

31.0638, 38.8418, 42.4192

Protanopia

36.7760, 38.4684, 38.7446

Deuteranopia

39.2321, 38.5667, 43.4066



Tritanopia

33.4174, 38.9233, 53.8958

Trichromacy



Original Color

31.0638, 38.8418, 42.4192

Protanomaly

34.3120, 38.2638, 40.2276

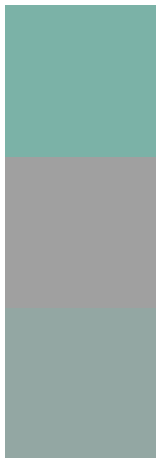
Deuteranomaly

35.6613, 38.3434, 43.0576

Tritanomaly

32.4700, 38.8225, 49.4982

Monochromacy



Original Color

31.0638, 38.8418, 42.4192

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4622, 36.4848, 39.9817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0638, 38.8418, 42.4192 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(123, 178, 167)` looks like.

```
.text, #text, p{  
    color:rgb(123, 178, 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(123, 178, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 178, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.0638, 38.8418, 42.4192 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(123, 178, 167) }
```


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

```
.border{ border-color:rgb(123, 178, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 178, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 178, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 178, 167);  
box-shadow:4px 4px 4px 4px rgb(123, 178,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0638, 38.8418, 42.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 178, 167) }
```

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

```
.background{ background-color: rgb(123,  
178, 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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