

Converting Colors

XYZ(31.0080, 38.1217, 41.0374)

Have a look what the booklet for
XYZ(31.0080, 38.1217, 41.0374)
contains.

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Color

**XYZ(31.1283, 38.3202,
40.8779)**

Conversions

Conversions Part 1

Format	Color
Hex	80B0A4
RGB	128, 176, 164
RGB Percent	50%, 69%, 64%
CMY	0.4980, 0.3098, 0.3569
CMYK	0.27, 0.00, 0.07, 0.31
HSL	165°, 23%, 60%
HSV	165°, 27%, 69%
XYZ	31.1283, 38.3202, 40.8779
YIQ	160.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

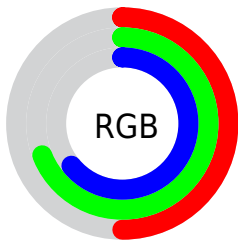
Format	Color
RYB	128, 155, 176
Decimal	8433828
CIELab	68.26, -18.52, 0.99
CIELCh	68, 18.551, 176.944
Yxy	38.3202, 0.2821, 0.3473
Android (android.graphics.Color)	4286623908 (0xFF80B0A4)
YUV	160.2800, 1.8340, -28.3096
Hunter-Lab	61.9033, -18.5714, 4.1801

Details

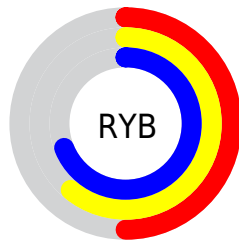
The XYZ color **31.1283, 38.3202, 40.8779** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3587, 26.5630, 28.3397**, and the grayscale version is **33.5437, 35.2905, 38.4314**.

A 20% lighter version of the original color is **60.9342, 72.7728, 77.8528**, and **13.0682, 16.9136, 17.9051** is the 20% darker color. If you saturate the color by 10%, you get **28.3168, 36.9170, 38.7081**, and if you desaturate by 10%, it is **34.4149, 39.9688, 43.1434**.

Distribution



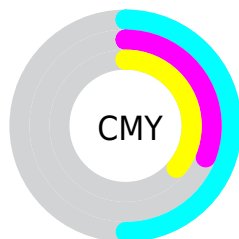
- Red (50%)
- Green (69%)
- Blue (64%)



- Red (50%)
- Yellow (61%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (50%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1283, 38.3202, 40.8779 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 31.1283, 38.3202, 40.8779 by changing the saturation by 10% instead.

■ 31.1283, 38.3202,
40.8779

■ 31.1283, 38.3202,
40.8779

298.9453,
338.9916, 365.4716

■ 20.8489, 26.2313,
27.9047

■ 60.8165, 72.5987,
77.7502

■ 13.1254, 16.9968,
18.0154

■ 80.9559, 95.5570,
102.4863

■ 7.5926, 10.2322,
10.7915

■ 105.1128,
122.9073, 131.9805

■ 3.8850, 5.5532,
5.8144

133.6524,
155.0339, 166.6514

■ 1.6373, 2.5753,
2.6656

166.9401,
192.3212, 206.9173

■ 0.4165, 0.9143,
0.9260

205.3412,

■ 0.0000, 0.0000,

235.1537, 253.1970

0.0000

249.2212,
283.9157, 305.9089

■ 31.1283, 38.3202,
40.8779

■ 31.1283, 38.3202,
40.8779

■ 28.3168, 36.9170,
38.7081

■ 34.4149, 39.9688,
43.1434

■ 25.9533, 35.7421,
36.6295

■ 38.1956, 41.8695,
45.5037

■ 24.0130, 34.7838,
34.6411

■ 42.4921, 44.0345,
47.9614

■ 22.4672, 34.0274,
32.7407

■ 47.3239, 46.4738,
50.5179

■ 21.2834, 33.4561,
30.9262

■ 52.7095, 49.1969,
53.1750

■ 20.4241, 33.0505,
29.1950

■ 58.6666, 52.2130,
55.9341

■ 19.8333, 32.7819,
27.5437

■ 65.2119, 55.5306,
58.7965

■ 19.6906, 32.7179,
27.1058

■ 67.0989, 56.4452,
61.5175

■ 67.6181, 56.6529,
64.2517

Harmonies

Analogous

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



31.9417, 38.3202, 33.5986



31.1283, 38.3202, 40.8779



31.6699, 38.3202, 49.3943

Triad

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



31.1283, 38.3202, 40.8779



39.0102, 38.3202, 57.6570



39.5521, 38.3202, 29.7098

Complementary

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



31.1283, 38.3202, 40.8779



30.3587, 26.5630, 28.3397

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.



41.6276, 38.3202, 34.8923



31.1283, 38.3202, 40.8779



41.3032, 38.3202, 51.0643

Square

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



31.1283, 38.3202, 40.8779



36.1255, 38.3202, 59.8077



42.2847, 38.3202, 42.5821



36.7205, 38.3202, 27.7114

Rectangle

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



31.1283, 38.3202, 40.8779



32.7431, 38.3202, 54.5275



42.2847, 38.3202, 42.5821



40.3670, 38.3202, 31.1005

Sweetspot

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



31.1294, 38.3218, 40.8788



68.6402, 75.6166, 82.1471



30.3734, 38.2560, 26.2061



14.6454, 16.2716, 17.6633



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.



31.1294, 38.3218, 40.8788



53.1428, 67.8440, 71.6358



30.1589, 34.5634, 46.1579



8.6500, 9.5945, 10.4168



14.4711, 24.0144, 20.0152



0.4770, 0.7643, 0.7440

Inverse Universe

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



30.3587, 26.5630, 28.3397



51.5037, 42.7797, 44.9266



31.0637, 29.3130, 24.4436



8.5806, 8.5390, 9.2901



13.4909, 6.9139, 2.4789



0.4483, 0.2271, 0.2033

Previews

White Background



This preview shows how the XYZ color 31.1283, 38.3202, 40.8779 looks on a white background.

Color Contrast Check

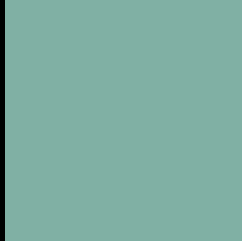
Large Text (above 18pt) WCAG AA × Fail

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 31.1283, 38.3202, 40.8779 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 31.1283, 38.3202, 40.8779

Background



This preview shows how black text looks on a background with the XYZ color 31.1283, 38.3202, 40.8779.



This preview shows how white text looks on a background with the XYZ color 31.1283, 38.3202,

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

31.1283, 38.3202, 40.8779

Protanopia

36.4213, 38.0368, 37.7700

Deuteranopia

38.7760, 38.1035, 41.8702



Tritanopia

33.4794, 38.4189, 52.1054

Trichromacy



Original Color

31.1283, 38.3202, 40.8779

Protanomaly

34.0507, 37.8826, 38.7751

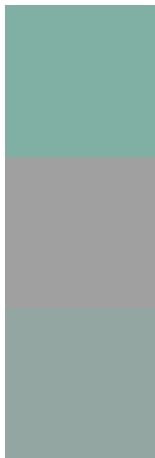
Deuteranomaly

35.4194, 37.7070, 41.4878

Tritanomaly

32.5320, 38.3118, 47.7998

Monochromacy



Original Color

31.1283, 38.3202, 40.8779

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2820, 36.1415, 38.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1283, 38.3202, 40.8779 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(128, 176, 164)` looks like.

```
.text, #text, p{  
    color:rgb(128, 176, 164)  
}
```

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(128, 176, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 176, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.1283, 38.3202, 40.8779 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(128, 176, 164) }
```


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

```
.border{ border-color:rgb(128, 176, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 176, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 176, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 176, 164);  
box-shadow:4px 4px 4px 4px rgb(128, 176,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1283, 38.3202, 40.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 176, 164) }
```

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

```
.background{ background-color: rgb(128,  
176, 164) }
```

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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