

Converting Colors

XYZ(31.9854, 38.7291, 41.7459)

Have a look what the booklet for
XYZ(31.9854, 38.7291, 41.7459)
contains.

XYZ(32.0811, 38.7904, 41.8728)	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(32.0811, 38.7904,
41.8728)**

Conversions

Conversions Part 1

Format	Color
Hex	85B0A6
RGB	133, 176, 166
RGB Percent	52%, 69%, 65%
CMY	0.4784, 0.3098, 0.3490
CMYK	0.24, 0.00, 0.06, 0.31
HSL	166°, 21%, 61%
HSV	166°, 24%, 69%
XYZ	32.0811, 38.7904, 41.8728
YIQ	162.0030, -22.4180, -12.2260

Conversions

Conversions Part 2

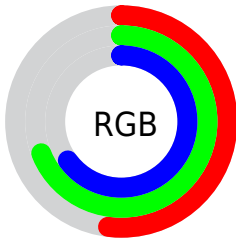
Format	Color
RYB	133, 157, 176
Decimal	8761510
CIELab	68.60, -16.52, 0.42
CIElCh	69, 16.528, 178.546
Yxy	38.7904, 0.2845, 0.3441
Android (android.graphics.Color)	4286951590 (0xFF85B0A6)
YUV	162.0030, 1.9705, -25.4356
Hunter-Lab	62.2819, -17.0490, 3.7361

Details

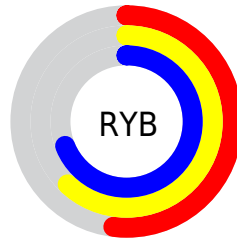
The XYZ color **32.0811, 38.7904, 41.8728** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.2513, 27.9893, 29.7435**, and the grayscale version is **34.3435, 36.1320, 39.3478**.

A 20% lighter version of the original color is **62.4013, 73.4985, 79.3043**, and **13.5999, 17.1747, 18.5178** is the 20% darker color. If you saturate the color by 10%, you get **29.1625, 37.3295, 39.8075**, and if you desaturate by 10%, it is **35.4795, 40.4993, 44.0246**.

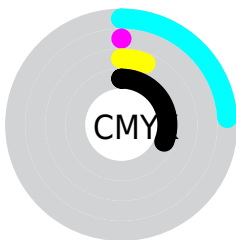
Distribution



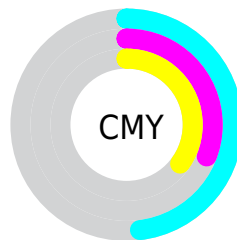
- Red (52%)
- Green (69%)
- Blue (65%)



- Red (52%)
- Yellow (62%)
- Blue (69%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (48%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0811, 38.7904, 41.8728 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 32.0811, 38.7904, 41.8728 by changing the saturation by 10% instead.

■ 32.0811, 38.7904,
41.8728

■ 32.0811, 38.7904,
41.8728

303.2273,
340.9985, 369.7395

■ 21.5793, 26.5967,
28.6769

■ 62.3025, 73.3180,
79.2751

■ 13.6630, 17.2706,
18.5930

■ 82.7529, 96.4207,
104.3185

■ 7.9668, 10.4276,
11.2028

■ 107.2501,
123.9286, 134.1482

■ 4.1253, 5.6834,
6.0875

136.1596,
156.2259, 169.1827

■ 1.7733, 2.6535,
2.8287

169.8467,
193.6972, 209.8406

■ 0.5015, 0.9536,
1.0079

208.6768,

■ 0.0000, 0.0000,

236.7268, 256.5403

0.0000

253.0152,
285.6991, 309.7004

■ 32.0811, 38.7904,
41.8728

■ 32.0811, 38.7904,
41.8728

■ 29.1625, 37.3295,
39.8075

■ 35.4795, 40.4993,
44.0246

■ 26.6971, 36.0999,
37.8245

■ 39.3760, 42.4625,
46.2618

■ 24.6607, 35.0901,
35.9228

■ 43.7922, 44.6922,
48.5869

■ 23.0254, 34.2857,
34.1006

■ 48.7471, 47.1983,
51.0014

■ 21.7602, 33.6708,
32.3558

■ 54.2589, 49.9900,
53.5065

■ 20.8290, 33.2267,
30.6860

■ 60.3451, 53.0764,
56.1036

■ 20.1888, 32.9314,
29.0888

■ 66.5778, 56.2368,
58.7733

■ 19.9038, 32.8032,
28.2282

■ 67.0461, 56.4241,
61.2395

■ 67.5272, 56.6166,
63.7730

Harmonies

Analogous

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



32.7557, 38.7904, 35.1783



32.0811, 38.7904, 41.8728



32.6383, 38.7904, 49.4753

Triad

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



32.0811, 38.7904, 41.8728



39.3170, 38.7904, 56.1455



39.5475, 38.7904, 31.1340

Complementary

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



32.0811, 38.7904, 41.8728



31.2513, 27.9893, 29.7435

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.



41.4506, 38.7904, 35.7400



32.0811, 38.7904, 41.8728



41.3132, 38.7904, 50.1800

Square

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



32.0811, 38.7904, 41.8728



36.7420, 38.7904, 58.2764



42.1113, 38.7904, 42.6016



36.9965, 38.7904, 29.4476

Rectangle

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



32.0811, 38.7904, 41.8728



33.6488, 38.7904, 53.9367



42.1113, 38.7904, 42.6016



40.2886, 38.7904, 32.3633

Sweetspot

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



32.0822, 38.7920, 41.8737



69.4198, 76.0050, 82.7929



31.0936, 38.5884, 28.0003



14.9541, 16.4260, 17.8917



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.



32.0822, 38.7920, 41.8737



55.3909, 68.9525, 74.0209



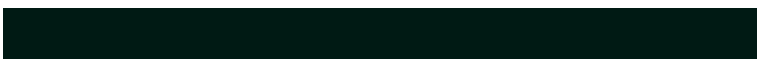
30.8816, 34.8647, 46.1781



8.6564, 9.5971, 10.4503



14.6264, 24.0765, 20.8332



0.4809, 0.7658, 0.7643

Inverse Universe

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



31.2513, 27.9893, 29.7435



53.6390, 46.1467, 48.4242



32.1835, 31.0128, 26.4807



8.5747, 8.5366, 9.2587



13.4491, 6.8972, 2.2587



0.4458, 0.2261, 0.1905

Previews

White Background



This preview shows how the XYZ color 32.0811, 38.7904, 41.8728 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 32.0811, 38.7904, 41.8728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

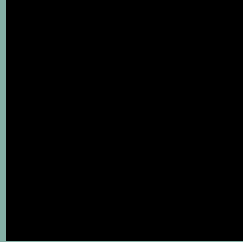
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

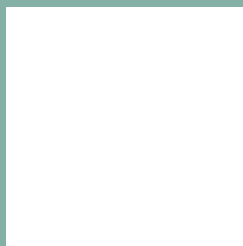
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0811, 38.7904, 41.8728

Background



This preview shows how black text looks on a background with the XYZ color 32.0811, 38.7904, 41.8728.

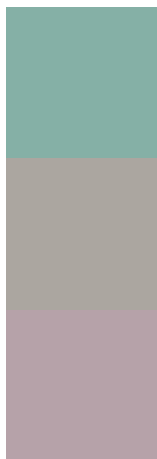


This preview shows how white text looks on a background with the XYZ color 32.0811, 38.7904,

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

32.0811, 38.7904, 41.8728

Protanopia

36.7760, 38.4684, 38.7446

Deuteranopia

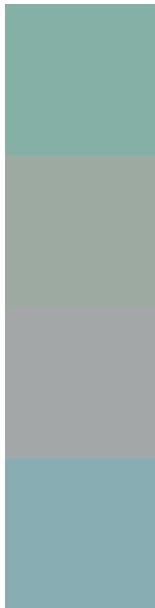
39.3732, 38.6503, 42.9212



Tritanopia

34.2297, 38.7934, 52.6975

Trichromacy



Original Color

32.0811, 38.7904, 41.8728

Protanomaly

34.8009, 38.5262, 39.7845

Deuteranomaly

36.1964, 38.3571, 42.5417

Tritanomaly

33.4261, 38.7610, 48.3677

Monochromacy



Original Color

32.0811, 38.7904, 41.8728

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1921, 36.8611, 40.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0811, 38.7904, 41.8728 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(133, 176, 166)` looks like.

```
.text, #text, p{  
    color:rgb(133, 176, 166)  
}
```

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(133, 176, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 176, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.0811, 38.7904, 41.8728 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(133, 176, 166) }
```


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

```
.border{ border-color:rgb(133, 176, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 176, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 176, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 176, 166);  
box-shadow:4px 4px 4px 4px rgb(133, 176,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0811, 38.7904, 41.8728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 176, 166) }
```

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

```
.background{ background-color: rgb(133,  
176, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor